

EVINRUDE®
E-TEC®



Flat Rate Manual



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PREFACE

This manual provides Warranty Flat Rate Allowances for 2011 outboard models. These manuals can also be useful in determining shop hours required to perform out-of-warranty service work.

All flat rate times are based on the actual time required for a factory trained technician to complete the various operations using the appropriate hand tools and Evinrude/Johnson special tools.

Flat rate times include an allowance for diagnosis as well as time for the removal and replacement of all components necessary to complete the repair. Where appropriate, the flat rate times also include time for performance tests with recommended test equipment.

Notes Codes - Details for specific repair procedure

1	Must have authorization number – Contact After Sales Support
2	Includes return packaging
3	Contact After Sales Support for assistance
4	When servicing or replacing two or more components, call for prior authorization.
5	Add 0.5 (H101) for lower engine cover removal when replacing injector/coil assembly on bottom cylinder(s) or replacing lower tube assembly.
6	Includes timing verification
7	Add 1.0 for Counter Rotation Models
8	Flat rate time includes removal of lower engine covers.
9	Flat rate time includes removal of oil reservoir. Add 0.5 for removing lower covers (H101) for bottom injector only.
10	Use failing part number 8888885 for software updates unless the EMM software update is being performed as a result of a <u>specific warranty bulletin</u> . Refer to the applicable warranty bulletin for unique failing part numbers related to specific warranty campaigns.
11	Replacement Item Only - Contact After Sales Support.

Flat rate times do not include time for painting or repainting. If the warranty repair includes painting, see flat rate codes “Y” for outboards.

Flat rate times do not include the additional work required for removal of corroded screws. Dealers in salt water areas may add this time, when appropriate. See flat rate codes “Y” for outboards. Only one salt water allowance may be submitted for each major repair. Any additional time required due to corrosion will be the responsibility of the customer. (See applicable Evinrude/Johnson Limited Warranty.)

Flat rate times shown in this manual are the maximum times allowed for a given repair. Flat rate times are not cumulative. Use only the flat rate time for the longest operation. For example, when rebuilding an outboard gearcase requiring a forward gear, pinion gear, shifter and reverse gear, the longest operation is G111 “Forward and Pinion Gear.” The use of G107, “Reverse Gear” and G110, “Propshaft or Shift Dog” along with G111 is not acceptable as G111 includes time for G107 and G110. In such cases, Evinrude/Johnson After Sales Support will reduce the test time accordingly. Be aware of this when comparing flat rate hours claimed and those actually paid. **If Flat Rate times overlap, this extra time will be cut from the claim without notification.**

If you diagnose an ignition system problem and find you have a fuel system problem instead, you cannot claim the ignition diagnostic time. However, in many cases, it may not be necessary for you to diagnose or test a problem, yet the flat rate time for that job will have test and diagnostic time in it. We believe the occasional loss of time will be more than made up this way.

Consult the Warranty Guide for detailed information on the Evinrude/Johnson warranty and instructions for the preparation, submission, and payment of warranty claims.

EVINRUDE E-TEC ENGINES



15, 25, 30 (575 CC) EVINRUDE E-TEC

Powerhead	Note	Code	Time
Powerhead - Replace	1,2,6,8	P101	7.0
Cylinder Head and head gasket	8	P102	3.0
Thermostat/Pressure Relief Valve		P106	1.5
Exhaust Cover or Gasket		P108	2.8
Cylinder and Crankcase - Reseal	1,6,8	P109	4.6
Cylinder and Crankcase - Rebuild	1,6,8	P110	9.5
Crankshaft - Replace	1,6,8	P111	7.0
Upper Crankshaft Seal	1,6,8	P112	3.6
Lower Crankshaft Seal	6,8	P113	4.8
Upper Main Bearing	6,8	P114	4.8
Gasket - Powerhead to Adapter	8	P117	4.5
Midsection	Note	Code	Time
Lower Engine Cover(s)	1	H101	0.5
Steering Arm Assembly		H102	1.7
Steering Handle (Tiller)		H103	1.0
Cable or Gear - Throttle Control - (Tiller)		H104	1.8
Swivel Bracket	3	H105	3.8
Stern Brackets (One or Both)		H107	1.0
Lower Mount Bracket		H110	1.5
Shift Lever or Handle (Tiller)		H111	1.0
Tilt Tube		H114	0.8
Trail Lock Arm - Motor Support		H115	0.3
Lever and Shaft - Trail Lock		H116	0.3
Tilt/Run Lever & Shaft or Linkage		H117	0.2
Links, Levers or Springs - Reverse Lock		H118	1.0
Lever - Tilt Lock		H119	0.2
Upper Mounts		H121	0.9
Exhaust Housing - Outer	1	H122	4.0
Exhaust Housing - Inner & Megaphone		H123	2.8
Water Tube and/or Upper Grommet		H125	1.5
Lower Thrust Mounts		H126	0.8
Muffler		H129	0.7
Steering Friction Washer		H130	0.5
Gearcase	Note	Code	Time
Gearcase Assembly	1,2	G101	1.3
Gearcase Assembly - Reseal (complete)	1	G102	2.6
Gearcase Housing Only - Replace	1	G103	3.0
Pinion Bearing - Replace		G104	2.8
Propshaft Bearing Housing - Replace		G105	0.7
Propshaft Bearing Housing - Rebuild		G106	0.9
Reverse Gear Only - Replace		G107	0.8
Lower Driveshaft or Upper Bearing Housing Replace (requires shimming)		G108	1.6
Shift Rod Cover/Bushing/O-Ring		G109	1.6
Propshaft or Shifter Clutch Dog	1	G110	2.9
Forward and/or Pinion Gear	1	G111	2.9
Shift Housing and/or Forward Bearing Assembly	1	G112	2.9
Water Pump	1	G113	1.4
Recoil Starter	Note	Code	Time
Recoil Starter - replace		M101	0.2
Starter Cord		M103	0.5
Starter Bracket		M104	0.3
Starter Lockout		M105	0.3

15, 25, 30 (575 CC) EVINRUDE E-TEC

Electrical/Ignition	Note	Code	Time
Flywheel	6	E101	1.2
Stator	6	E103	2.0
Ignition Coil Assembly (One)		E111	2.0
Ignition Coil Assembly (Each Additional)		E112	1.5
Engine Wiring Harness	1,8	E117	3.0
Tiller Neutral Safety Switch	8	E118	1.5
Electric Starter Motor - Replace	8	E120	1.0
Electric Starter Motor - Repair	8	E121	2.0
Starter Drive - Repair/Replace	6	E122	2.0
Solenoid - Electric Starter		E123	1.0
Water Temperature Switch Sensor		E126	0.8
EMM Assembly	1,3,6,8	E127	1.7
EMM Reprogram	10	EP10	0.5
Crank Sensor	6	E128	0.8
Relay Assembly		E132	1.2
Throttle Sensor		E135	0.8
Air Temperature Sensor		E137	0.8
Battery Charge Module	8	E138	1.2
Fuel System/Oil System	Note	Code	Time
Intake Manifold/Reed Plate - Repair/Replace	8	F107	2.5
Fuel Lift Pump Assembly	8	F121	1.3
Fuel Filter Assembly		F122	0.5
Vapor Separator and Electric Fuel Pump Assembly	8	F126	1.5
Oil Manifold and Pick-up Assembly		F127	1.3
Oil Tank Replace	8	F131	1.5
Fuel Injector Assembly - Replace or Service (One)	3,9	F134	2.2
Fuel Injector Assembly - Replace (Each Additional)	4,9	FX34	0.4
Throttle Body	8	F137	1.7
Power Trim	Note	Code	Time
Power Trim and Tilt - Replace	1,2	T101	1.5
Manifold - Rebuild/Replace		T102	3.2
Motor and Cable - Replace		T103	1.4
Motor and Cable - Rebuild		T104	1.9
Oil Pump		T106	1.7
Tilt Cylinder - Repair		T110	2.0
Manual Release Valve		T112	0.5
Internal Valves, Spring, O-Rings, Etc.		T113	1.8
External Check Valves		T114	1.4
Relay Assembly - (Both)		T115	0.6
Switch TNT Lower Motor Cover		T117	0.7
Sending Unit		T121	0.8

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5. Add 0.5 (H101) for lower engine cover removal when replacing injector/coil assembly on bottom cylinder(s) or replacing lower tube assembly.
6. Includes timing verification
7. Add 1.0 for Counter Rotation Models
8. Flat rate time includes removal of lower engine covers.
9. Flat rate time includes removal of oil reservoir. Add 0.5 for removing lower covers (H101) for bottom injector only.
10. Use failing part number 8888885 for software updates unless the EMM software update is being performed as a result of a specific warranty bulletin. Refer to the applicable warranty bulletin for unique failing part numbers related to specific warranty campaigns.
11. Replacement Item Only – Contact After Sales Support – Tech Service.

40, 50, 60 (52.7 CU. IN.) EVINRUDE E-TEC

Powerhead	Note	Code	Time
Powerhead - Replace	1,2,6,8	P101	7.5
Cylinder Head and O-Ring Seal	8	P102	3.5
Thermostat/Pressure Relief Valve		P106	1.7
Exhaust Cover or Gasket		P108	3.5
Cylinder and Crankcase - Reseal	1,6,8	P109	4.0
Cylinder and Crankcase - Rebuild	1,6,8	P110	9.5
Crankshaft - Replace	1,6,8	P111	7.0
Upper Crankshaft Seal	1,6,8	P112	4.0
Lower Crankshaft Seal	6,8	P113	4.0
Upper Main Bearing	6,8	P114	4.0
Lower Main Bearing	6,8	P115	7.0
Upper Motor Mounts	8	P116	3.7
Gasket - Powerhead to Adapter	8	P117	3.1
Grommet and Insert - Exhaust Relief	8	P119	1.0
Midsection	Note	Code	Time
Lower Engine Cover(s)	1	H101	0.5
Steering Arm Assembly		H102	2.0
Steering Handle (Tiller)		H103	1.4
Cable or Gear - Throttle Control - (Tiller)		H104	1.3
Swivel Bracket	3	H105	4.0
Stern Brackets (One or Both)		H107	1.0
Lower Mount Bracket		H110	0.4
Shift Lever or Handle (Tiller)		H111	1.5
Tilt Assist/Cylinder		H112	1.4
Cable		H113	0.8
Tilt Tube		H114	0.8
Trail Lock Arm - Motor Support		H115	0.3
Lever and Shaft - Trail Lock		H116	0.3
Tilt/Run Lever & Shaft or Linkage		H117	0.2
Links, Levers or Springs - Reverse Lock		H118	1.0
Lever - Tilt Lock		H119	0.2
Upper Mounts		H121	3.0
Exhaust Housing - Outer	1	H122	5.0
Exhaust Housing - Inner		H123	2.8
Water Tube and/or Upper Grommet		H125	1.9
Lower Mounts		H126	0.5
Water Valve	5	H128	0.5
Gearcase	Note	Code	Time
Gearcase Assembly	1,2	G101	2.0
Gearcase Assembly - Reseal (Complete)	1	G102	3.0
Gearcase Housing Only - Replace	1	G103	4.0
Pinion Bearing - Replace		G104	4.2
Propshaft Bearing Housing - Replace		G105	0.8
Propshaft Bearing Housing - Rebuild		G106	1.0
Reverse Gear Only - Replace		G107	0.9
Lower Driveshaft or Upper Bearing Housing Replace (requires shimming)		G108	3.0
Shift Rod Cover/Bushing/O-Ring		G109	2.0
Propshaft or Shifter Clutch Dog	1	G110	3.1
Forward and/or Pinion Gear	1	G111	4.0
Shift Housing and/or Forward Bearing Assembly	1	G112	3.4
Water Pump or Upper Bearing Housing Reseal	1	G113	2.0
Recoil Starter	Note	Code	Time
Recoil Starter - replace		M101	0.2
Starter Cord		M103	0.5
Starter Bracket		M104	0.3
Starter Lockout		M105	0.3

40, 50, 60 (52.7 CU. IN.) EVINRUDE E-TEC

Electrical/Ignition	Note	Code	Time
Flywheel	6	E101	0.9
Flywheel Cover	6	E102	0.2
Stator	6	E103	2.0
Ignition Coil Assembly (One)		E111	2.0
Ignition Coil Assembly (Each Additional)		E112	1.5
Engine Wiring Harness	1,8	E117	3.0
Neutral Safety Switch (Engine Mounted)	8	E118	0.7
Electric Starter Motor - Replace	8	E120	1.0
Electric Starter Motor - Repair	8	E121	2.0
Starter Drive - Repair/Replace	6	E122	2.0
Solenoid - Electric Starter		E123	1.0
Water Temperature Switch Sensor		E126	0.8
EMM Assembly	1,3,6,8	E127	1.7
EMM Reprogram	10	EP10	0.5
Crank Sensor	6	E128	0.8
Relay Assembly		E132	1.2
Throttle Sensor		E135	0.8
Air Temperature Sensor		E137	0.8
Capacitor	8	E138	1.2
Fuel System/Oil System	Note	Code	Time
Intake Manifold/Reed Plate - Repair/Replace	8	F107	2.5
Fuel Lift Pump Assembly	8	F121	1.0
Fuel Filter Assembly		F122	0.5
Vapor Separator and Electric Fuel Pump Assembly	8	F126	1.0
Oil Manifold and Pick-up Assembly/Grommet/Clamp		F127	1.0
Oil Tank Replace	8	F131	1.3
Fuel Manifold Assembly - Return	8	F132	1.5
Fuel Manifold Assembly - Supply	8	F133	1.5
Fuel Injector Assembly - Replace or Service (One)	3,9	F134	1.5
Fuel Injector Assembly - Replace (Each Additional)	4,9	FX34	0.8
Fuel Manifolds All/O-Rings	8	F135	2.5
Throttle Body	8	F137	1.5
Power Trim	Note	Code	Time
Power Trim and Tilt - Replace	1,2	T101	1.5
Manifold - Rebuild/Replace		T102	3.2
Motor and Cable - Replace		T103	1.4
Motor and Cable - Rebuild		T104	1.9
Oil Pump		T106	1.7
Tilt Cylinder - Repair		T110	2.0
Manual Release Valve		T112	0.5
Internal Valves, Spring, O-Rings, etc.		T113	1.8
External Check Valves		T114	1.4
Relay Assembly - (Both)		T115	0.6
Switch TNT Lower Motor Cover		T117	0.7
Sending Unit		T121	0.8

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4. When servicing or replacing two or more components, call for prior authorization.
5. Add 0.5 (H101) for lower engine cover removal when replacing injector/coil assembly on bottom cylinder(s) or replacing lower tube assembly.
6. Includes timing verification
7. Add 1.0 for Counter Rotation Models
8. Flat rate time includes removal of lower engine covers.
9. Flat rate time includes removal of oil reservoir. Add 0.5 for removing lower covers (H101) for bottom injector only.
10. Use failing part number 8888885 for software updates unless the EMM software update is being performed as a result of a specific warranty bulletin. Refer to the applicable warranty bulletin for unique failing part numbers related to specific warranty campaigns.
11. Replacement Item Only – Contact After Sales Support – Tech Service.

75, 90 (79 CU. IN.) EVINRUDE E-TEC

Powerhead	Note	Code	Time
Powerhead - Replace	1,2,6,8	P101	7.5
Cylinder Head and O-Ring Seal (One)	8	P102	3.5
Thermostat/Pressure Relief Valve (One)		P106	1.7
Exhaust Cover or Gasket		P108	3.5
Cylinder and Crankcase - Reseal	1,6,8	P109	4.0
Cylinder and Crankcase - Rebuild	1,6,8	P110	9.5
Crankshaft - Replace	1,6,8	P111	7.0
Upper Crankshaft Seal	1,6,8	P112	4.0
Lower Crankshaft Seal	1,6,8	P113	4.0
Upper Main Bearing	1,6,8	P114	4.0
Lower Main Bearing	1,6,8	P115	7.0
Upper Motor Mounts	8	P116	3.7
Gasket - Powerhead to Adapter	8	P117	3.1
Grommet and Insert - Exhaust Relief	8	P119	1.0
Midsection	Note	Code	Time
Lower Engine Cover(s)	1	H101	0.5
Steering Arm Assembly - Pivot Shaft		H102	3.5
Cable or Gear - Throttle Control - (Tiller) "W" models		H104	1.3
Swivel Bracket	3	H105	4.5
Thrust Rollers or Pads Swivel Bracket (Both)		H106	0.2
Stern Brackets (One or Both)		H107	1.5
Lower Mount Bracket		H110	3.5
Shift Lever		H111	1.5
Tilt Tube		H114	1.0
Trail Lock Arm - Motor Support		H115	0.3
Lever and Shaft Trail Lock		H116	0.3
Lever - Tilt Lock	1	H119	0.3
Exhaust Housing - Outer	1	H122	6.8
Exhaust Housing - Inner - Upper		H123	6.3
Exhaust Housing - Inner - Lower		H124	2.5
Water Tube and/or Upper Grommet		H125	2.7
Lower Mounts		H126	1.5
Gearcase	Note	Code	Time
Gearcase Assembly	1,2	G101	2.0
Gearcase Assembly – Reseal (Complete)	1	G102	3.8
Gearcase Housing Only - Replace	1	G103	5.0
Pinion Bearing - Replace		G104	5.4
Propshaft Bearing Housing - Replace		G105	1.0
Propshaft Bearing Housing - Rebuild		G106	1.4
Reverse Gear Only - Replace		G107	1.2
Lower Driveshaft or Upper Bearing Housing Replace (requires shimming)		G108	4.0
Shift Rod Cover/Bushing/O-Ring		G109	3.0
Propshaft or Shifter Clutch Dog	1	G110	4.0
Forward and/or Pinion Gear	1	G111	5.0
Shift Housing and/or Forward Bearing Assembly	1	G112	4.8
Water Pump or Upper Bearing Housing Reseal	1	G113	2.0

75, 90 (79 CU. IN.) EVINRUDE E-TEC

Electrical/Ignition	Note	Code	Time
Flywheel	6	E101	0.9
Flywheel Cover	6	E102	0.2
Stator	6	E103	2.0
Ignition Coil Assembly (One)		E111	2.0
Ignition Coil Assembly (Each Additional)		E112	1.5
Engine Wiring Harness	1,8	E117	3.0
Neutral Safety Switch (Engine Mounted)	8	E118	0.7
Electric Starter Motor - Replace	8	E120	1.0
Electric Starter Motor - Repair	8	E121	2.0
Starter Drive - Repair/Replace	6	E122	2.0
Solenoid - Electric Starter		E123	1.0
Water Temperature Switch Sensor		E126	0.8
EMM Assembly	1,3,6,8	E127	1.7
EMM Reprogram	10	EP10	0.5
Crank Sensor	6	E128	0.8
Relay Assembly		E132	1.2
Throttle Sensor		E135	0.8
Air Temperature Sensor		E137	0.8
Capacitor	8	E138	1.2
Fuel System/Oil System	Note	Code	Time
Intake Manifold/Reed Plate - Repair/Replace	8	F107	2.5
Fuel Lift Pump Assembly	8	F121	1.0
Fuel Filter Assembly		F122	0.5
Vapor Separator and Electric Fuel Pump Assembly	8	F126	1.0
Oil Manifold and Pick-up Assembly/Grommet/Clamp		F127	1.0
Oil Tank Replace	8	F131	1.3
Fuel Manifold Assembly - Return	8	F132	1.5
Fuel Manifold Assembly - Supply	8	F133	1.5
Fuel Injector Assembly - Replace or Service (One)	3,9	F134	1.5
Fuel Injector Assembly - Replace (Each Additional)	4,9	FX34	0.8
Fuel Manifolds All/O-Rings	8	F135	2.5
Throttle Body	8	F137	1.5
Power Trim	Note	Code	Time
Power Trim and Tilt - Replace	1,2	T101	1.8
Manifold - Rebuild/Replace		T102	3.0
Motor and Cable - Replace		T103	1.6
Motor and Cable - Rebuild		T104	2.1
Valve Body and Pump Assy. - Replace		T105	2.2
Reservoir - Replace		T107	1.6
Tilt Cylinder - Repair		T110	2.3
Manual Release Valve		T112	0.5
Internal Valves, Spring, O-Rings, etc.		T113	2.0
Relay Assembly - (Both)		T115	0.8
Switch TNT Lower Motor Cover		T117	0.7
Sending Unit		T121	1.0
Trim Limit Switch		T122	1.0

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6. Includes timing verification
7. Add 1.0 for Counter Rotation Models
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9. Flat rate time includes removal of oil reservoir. Add 0.5 for removing lower covers (H101) for bottom injector only.
10. Use failing part number 8888885 for software updates unless the EMM software update is being performed as a result of a **specific warranty bulletin**. Refer to the applicable warranty bulletin for unique failing part numbers related to specific warranty campaigns.
11. Replacement Item Only – Contact After Sales Support – Tech Service.

115, 130 60° V4 (105 CU. IN / 1.7L) EVINRUDE E-TEC*

Powerhead	Note	Code	Time
Powerhead - Replace	1,2,6	P101	8.4
Cylinder Head and O-Ring Seal (One)		P102	2.2
Cylinder Head and O-Ring Seal (Both)		P103	3.0
Thermostat (One)		P106	1.7
Thermostat (Both)		P107	2.0
Cylinder and Crankcase - Reseal	1,6	P109	5.4
Cylinder and Crankcase - Rebuild	1,6	P110	10.9
Crankshaft - Replace	1,6	P111	8.9
Upper Crankshaft Seal	1,6	P112	7.7
Lower Crankshaft Seal	1,6	P113	7.7
Upper Main Bearing	1,6	P114	7.7
Lower Main Bearing	1,6	P115	9.8
Upper Motor Mounts		P116	3.2
Gasket - Powerhead to Adapter		P117	3.0
Grommet - Exhaust Relief	8	P119	0.7
Exhaust Backpressure Fitting &/or Muffler		P120	1.2
Water Pressure Relief Valve Assembly		P121	2.5
Midsection	Note	Code	Time
Lower Engine Cover(s)	1	H101	0.5
Steering Arm Assembly - Pivot Shaft		H102	3.5
Swivel Bracket	3	H105	4.5
Thrust Rollers or Pads Swivel Bracket (Both)		H106	0.2
Stern Brackets (One or Both)		H107	1.5
Lower Mount Bracket		H110	3.5
Shift Lever		H111	1.5
Tilt Tube		H114	1.0
Trail Lock Arm - Motor Support		H115	0.3
Lever and Shaft Trail Lock		H116	0.3
Lever - Tilt Lock		H119	0.3
Exhaust Housing - Outer and Exhaust Valve	1	H122	6.8
Lower Mounts		H126	1.5
Gearcase	Note	Code	Time
Gearcase Assembly	1,2	G101	2.0
Gearcase Assembly - Reseal (Complete)	1	G102	3.8
Gearcase Housing Only - Replace	1	G103	5.0
Pinion Bearing - Replace	1	G104	5.4
Propshaft Bearing Housing - Replace		G105	1.0
Propshaft Bearing Housing - Rebuild		G106	1.4
Reverse Gear Only - Replace	1	G107	1.2
Lower Driveshaft or Upper Bearing Housing Replace (requires shimming)	1	G108	4.0
Shift Rod Cover/Bushing/O-Ring	1	G109	2.5
Propshaft or Shifter Clutch Dog	1	G110	4.0
Forward and/or Pinion Gear	1	G111	5.0
Shift Housing and/or Forward Bearing Assembly	1	G112	4.8
Water Pump or Upper Bearing Housing Reseal	1	G113	2.0
Fuel System / Oil System	Note	Code	Time
Intake Manifold / Reed Plate - Repair/Replace	6	F107	1.5
Fuel Hose or Connectors - Repair/Replace		F116	0.5
Oil Pick Up Assembly - Oil Tank		F119	1.5
Fuel Lift Pump Assembly		F121	1.1
Fuel Filter Assembly		F122	0.5
Water in Fuel Sensor Assembly		F123	0.5
Vapor Separator and Electric Fuel Pump Assembly		F126	1.0
Oil Injector and Manifold Assembly		F127	1.8
Rear oil distribution manifold		F128	1.0

115, 130 60° V4 (105 CU. IN / 1.7L) EVINRUDE E-TEC*

Fuel System / Oil System - Continued	Note	Code	Time
Oil Pressure Sensor		F131	1.0
Fuel Injector Assembly - Replace (One)	4,5	F134	1.7
Fuel Injector Assembly - Replace (Each Additional)	4,5	FX34	0.5
One or Both Fuel Manifolds or All O-Rings	5	F135	2.0
Throttle Body Assembly		F137	0.8
Electrical / Ignition	Note	Code	Time
Flywheel	6	E101	2.0
Flywheel Cover - Lower	6	E102	1.5
Stator	6	E103	2.4
Ignition Coil Assembly (One)		E111	1.7
Ignition Coil Assembly (Each Additional)		E112	0.1
Engine Wiring Harness	1	E117	2.0
Electric Starter Motor - Replace		E120	1.0
Electric Starter Motor - Repair		E121	2.0
Solenoid - Electric Starter		E123	1.0
Temperature Sensor		E126	1.0
EMM Assembly	1,3,6	E127	2.0
EMM Reprogram	10	EP10	0.5
Crank Sensor (CPS)	6	E128	1.0
Throttle Sensor (TPS)		E135	0.7
Air Temperature Sensor		E137	0.5
Capacitor		E138	1.0
Exhaust Valve Actuator		E139	2.0
Exhaust Valve Control Module		E140	1.5
Power Trim	Note	Code	Time
Power Trim and Tilt - Replace	1,2	T101	1.8
Manifold - Rebuild/Replace		T102	3.0
Motor and Cable - Replace		T103	1.6
Motor and Cable - Rebuild		T104	2.1
Valve Body and Pump Assy. - Replace		T105	2.2
Reservoir - Replace		T107	1.6
Trim Cylinder - Repair (One)		T108	2.1
Trim Cylinder - Repair (Both)		T109	2.3
Tilt Cylinder - Repair		T110	2.3
Manual Release Valve		T112	0.5
Internal Valves, Spring, O-Rings, etc.		T113	2.0
Relay Assembly - (Both)		T115	0.8
Switch TNT Lower Motor Cover		T117	0.7
Sending Unit		T121	1.0
Trim Limit Switch		T122	1.0

1. Must have authorization number
2. Includes return packaging
3. Contact dealer services for assistance
4. When servicing or replacing two or more components, call for prior authorization.
5. Add 0.5 (H101) for lower engine cover removal when replacing injector/coil assembly on bottom cylinder(s) or replacing lower tube assembly.
6. Includes timing verification
7. Add 1.0 for Counter Rotation Models
8. Flat rate time includes removal of lower engine covers.
9. Flat rate time includes removal of oil reservoir. Add 0.5 for removing lower covers (H101) for bottom injector only.
10. Use failing part number 8888885 for software updates **unless** the EMM software update is being performed as a result of a **specific warranty bulletin**. Refer to the applicable warranty bulletin for unique failing part numbers related to specific warranty campaigns.
11. Replacement Item Only – Contact After Sales Support – Tech Service.

***For ICON system components see page 24.**

150, 175, 200 60° V6 (158 CU. IN. / 2.6 L) EVINRUDE E-TEC*

Powerhead	Note	Code	Time
Powerhead - Replace	1,2,6	P101	10.1
Cylinder Head and O-Ring Seal (One)		P102	2.5
Cylinder Head and O-Ring Seal (Both)		P103	3.5
Thermostat (One)		P106	1.7
Thermostat (Both)		P107	2.0
Cylinder and Crankcase - Reseal	1,6	P109	6.0
Cylinder and Crankcase - Rebuild	1,6	P110	12.5
Crankshaft - Replace	1,6	P111	9.5
Upper Crankshaft Seal	1,6	P112	7.7
Lower Crankshaft Seal	1,6	P113	7.7
Upper Main Bearing	1,6	P114	7.7
Lower Main Bearing	1,6	P115	9.8
Upper Motor Mounts		P116	3.2
Gasket - Powerhead to Adapter		P117	3.0
Grommet - Exhaust Relief	8	P119	0.7
Exhaust Pressure Fitting &/or Muffler		P120	1.2
Water Pressure Relief Valve Assembly		P121	2.5
Midsection	Note	Code	Time
Lower Engine Cover(s)	1	H101	0.5
Steering Arm Assembly - Pivot Shaft		H102	4.0
Swivel Bracket	3	H105	4.5
Thrust Rollers or Pads Swivel Bracket (Both)		H106	0.2
Stern Brackets (One or Both)		H107	1.5
Lower Mount Bracket		H110	3.5
Shift Lever		H111	1.8
Tilt Tube		H114	1.0
Trail Lock Arm - Motor Support		H115	0.3
Lever and Shaft - Trail Lock		H116	0.3
Lever - Tilt Lock		H119	0.3
Exhaust Housing - Outer	1	H122	6.8
Exhaust Housing - Inner - Upper	1	H123	6.3
Exhaust Housing - Inner - Lower		H124	2.5
Water Tube and/or Grommet		H125	2.7
Lower Mounts		H126	1.5
Gearcase	Note	Code	Time
Gearcase Assembly	1,2	G101	2.0
Gearcase Assembly - Reseal (Complete)	1	G102	3.8
Gearcase Housing Only - Replace	1	G103	5.0
Pinion Bearing - Replace	1	G104	5.4
Propshaft Bearing Housing - Replace		G105	1.0
Propshaft Bearing Housing - Rebuild		G106	1.4
Reverse Gear Only - Replace	1,7	G107	1.3
Lower Driveshaft or Upper Bearing Housing Replace (requires shimming)	1	G108	4.0
Shift Rod Cover/Bushing/O-Ring	1	G109	2.5
Propshaft or Shifter Clutch Dog	1	G110	4.0
Forward and/or Pinion Gear	1	G111	5.0
Shift Housing and/or Forward Bearing Assembly	1	G112	4.8
Water Pump or Upper Bearing Housing Reseal	1	G113	2.0
Fuel System / Oil System	Note	Code	Time
Intake Manifold / Reed Plate - Repair/Replace(One)		F107	1.5
Fuel Hose or Connectors - Repair/Replace		F116	0.5
Oil Pick Up Assembly - Oil Tank		F119	1.5
Fuel Lift Pump Assembly		F121	1.1
Fuel Filter Assembly		F122	0.5
Water in Fuel Sensor Assembly		F123	0.5

150, 175, 200 60° V6 (158 CU. IN. / 2.6 L) EVINRUDE E-TEC*

Fuel System / Oil System - Continued	Note	Code	Time
Vapor Separator and Electric Fuel Pump Assembly		F126	1.0
Oil Injector and Manifold Assembly		F127	1.8
Rear oil distribution manifold		F128	1.0
Oil Pressure Sensor		F131	1.0
Fuel Injector Assembly - Replace (One)	4,5	F134	1.7
Fuel Injector Assembly - Replace (Each Additional)	4,5	FX34	0.5
One or Both Fuel Rails or All O-Rings	5	F135	2.2
Throttle Body		F137	1.0
Electrical/ Ignition	Note	Code	Time
Flywheel	6	E101	2.0
Flywheel Cover - Lower	6	E102	1.5
Stator	6	E103	2.4
Ignition Coil Assembly (One)		E111	1.7
Ignition Coil Assembly (Each Additional)		E112	0.1
Engine Wiring Harness	1	E117	2.0
Electric Starter Motor - Replace		E120	1.0
Electric Starter Motor - Repair		E121	2.0
Solenoid - Electric Starter		E123	1.0
Temperature Sensor		E126	1.0
EMM Assembly	1,3,6	E127	2.0
EMM Reprogram	10	EP10	0.5
Crank Sensor (CPS)	6	E128	1.0
Throttle Sensor (TPS)		E135	0.7
Air Temperature Sensor		E137	0.5
Capacitor		E138	1.0
Power Trim	Note	Code	Time
Power Trim and Tilt - Replace	1,2	T101	1.8
Manifold - Rebuild/Replace		T102	3.0
Motor and Cable - Replace		T103	1.6
Motor and Cable - Rebuild		T104	2.1
Valve Body and Pump Assy. - Replace		T105	2.2
Reservoir - Replace		T107	1.6
Trim Cylinder - Repair (One)		T108	2.1
Trim Cylinder - Repair (Both)		T109	2.3
Tilt Cylinder - Repair		T110	2.3
Manual Release Valve		T112	0.5
Internal Valves, Spring, O-Rings, etc.		T113	2.0
Relay Assembly - (Both)		T115	0.8
Switch TNT Lower Motor Cover		T117	0.7
Sending Unit		T121	1.0
Trim Limit Switch		T122	1.0

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4. When servicing or replacing two or more components, call for prior authorization.
5. Add 0.5 (H101) for lower engine cover removal when replacing injector/coil assembly on bottom cylinder(s) or replacing lower tube assembly.
6. Includes timing verification
7. Add 1.0 for Counter Rotation Models
8. Flat rate time includes removal of lower engine covers.
9. Flat rate time includes removal of oil reservoir. Add 0.5 for removing lower covers (H101) for bottom injector only.
10. Use failing part number 8888885 for software updates unless the EMM software update is being performed as a result of a **specific warranty bulletin**. Refer to the applicable warranty bulletin for unique failing part numbers related to specific warranty campaigns.
11. Replacement Item Only – Contact After Sales Support – Tech Service.

***For ICON system components see page 24.**

200, 225, 250 90° V6 (200 CU. IN. / 3.3 L) EVINRUDE E-TEC*

Powerhead	Note	Code	Time
Powerhead - Replace	1,2,6	P101	11.4
Cylinder Head and Gasket (One)		P102	2.7
Cylinder Head and Gasket (Both)		P103	3.7
Thermostat (One)		P106	1.7
Thermostat (Both)		P107	2.0
Cylinder and Crankcase - Reseal	1,6	P109	6.2
Cylinder and Crankcase - Rebuild	1,6	P110	13.5
Crankshaft - Replace	1,6	P111	9.5
Upper Crankshaft Seal	6	P112	3.0
Lower Crankshaft Seal		P113	4.2
Upper Main Bearing	6	P114	3.0
Lower Main Bearing		P115	4.8
Gasket - Powerhead to Adapter		P117	3.9
Water Pressure Valve Assembly		P121	1.0
Midsection	Note	Code	Time
Lower Engine Cover(s)	1	H101	0.5
Steering Arm Assembly - Pivot Shaft		H102	3.5
Swivel Bracket	3	H105	4.5
Thrust Rollers or Pads Swivel Bracket (Both)		H106	0.2
Stern Brackets (One or Both)		H107	1.5
Lower Mount Bracket		H110	3.5
Shift Lever		H111	1.5
Tilt Tube		H114	1.0
Trail Lock Arm - Motor Support		H115	0.3
Lever and Shaft - Trail Lock		H116	0.3
Lever - Tilt Lock		H119	0.3
Adapter		H120	6.5
Upper Mounts		H121	4.1
Exhaust Housing - Outer	1	H122	6.8
Exhaust Housing - Inner - Upper	1	H123	6.5
Exhaust Housing - Inner - Lower		H124	2.5
Water Tube and/or Upper Grommet		H125	5.2
Lower Mounts		H126	1.5
Exhaust Back Pressure Nipple		H127	1.2
Gearcase	Note	Code	Time
Gearcase Assembly	1,2	G101	2.0
Gearcase Assembly - Reseal (Complete)	1	G102	3.8
Gearcase Housing Only - Replace	1	G103	5.0
Pinion Bearing - Replace	1	G104	5.4
Propshaft Bearing Housing - Replace		G105	1.2
Propshaft Bearing Housing - Rebuild	7	G106	1.4
Reverse Gear Only - Replace	1	G107	1.3
Lower Driveshaft or Upper Bearing Housing Replace (requires shimming)	1	G108	4.0
Shift Rod Cover/Bushing/O-Ring	1	G109	2.5
Propshaft or Shifter Clutch Dog	1	G110	4.0
Forward and/or Pinion Gear	1	G111	5.0
Shift Housing and/or Forward Bearing Assembly	1	G112	4.8
Water Pump or Upper Bearing Housing Reseal	1	G113	2.0
Additional Time for Pressed Rear Bearing Carrier		GX02	0.4

200, 225, 250 90° V6 (200 CU. IN. / 3.3 L) EVINRUDE E-TEC*

Fuel System / Oil System	Note	Code	Time
Intake Manifold/Reed Plate - Repair/Replace	6	F107	1.9
Fuel Hoses or Connectors - Repair/Replace		F116	0.5
Oil Pick Up Assembly - Oil Tank		F119	1.5
Fuel Lift Pump Assembly		F121	1.0
Fuel Filter Assembly		F122	0.5
Water Sensor Assembly		F123	0.5
Vapor Separator and Electric Fuel Pump Assembly		F126	1.0
Oil Injector Assembly - Replace Manifold Assembly	8	F127	1.5
Rear oil distribution manifold		F128	1.0
Oil Pressure Sensor		F131	0.5
Fuel Injector Assembly - Replace or Service (One)	4,5	F134	1.5
Fuel Injector Assembly - (Each Additional)	4,5	FX34	0.5
One or Both Fuel Rails or All O-Rings	5	F135	2.2
Throttle Body Assembly		F137	0.5
Electrical / Ignition	Note	Code	Time
Flywheel	6	E101	0.7
Stator	6	E103	2.0
Ignition Coil Assembly (One)		E111	2.0
Ignition Coil Assembly (Each Additional)	5	E112	0.4
Engine Wiring Harness	1	E117	1.5
Shift Assist Switch		E118	1.0
Electric Starter Motor - Replace		E120	1.0
Electric Starter Motor - Repair		E121	2.0
Solenoid - Electric Starter		E123	1.0
Temperature Sensor		E126	1.0
EMM Assembly	1,3,6	E127	2.0
EMM Reprogram	10	EP10	0.5
Crank Sensor Assembly (CPS)	6	E128	1.0
Throttle Sensor (TPS)		E135	1.2
Sensor Assembly Air Temperature (AT)		E137	0.5
Capacitor		E138	0.7
Knock Sensor (One or Both)		E142	1.0
Power Trim	Note	Code	Time
Power Trim and Tilt - Replace	1,2	T101	1.8
Manifold - Rebuild/Replace		T102	3.0
Motor and Cable - Replace		T103	1.6
Motor and Cable - Rebuild		T104	2.1
Valve Body and Pump Assy. - Replace		T105	2.2
Reservoir - Replace		T107	1.6
Trim Cylinder - Repair (One)		T108	2.1
Trim Cylinder - Repair (Both)		T109	2.3
Tilt Cylinder - Repair		T110	2.3
Manual Release Valve		T112	0.5
Internal Valves, Spring, O-Rings, Etc.		T113	2.0
Relay Assembly - (Both)		T115	0.8
Switch TNT Lower Motor Cover		T117	0.7
Sending Unit		T121	1.0
Trim Limit Switch		T122	1.0

- 1) Must have authorization number
- 2) Includes return packaging
- 3) Contact dealer services for assistance
- 4) When servicing or replacing two or more components, call for prior authorization.
- 5) Add 0.5 (H101) for lower engine cover removal when replacing injector/coil assembly on bottom cylinder(s) or replacing lower tube assembly.
- 6) Includes timing verification
- 7) Add 1.0 for Counter Rotation Models
- 8) Flat rate time includes removal of lower engine covers.
- 9) Flat rate time includes removal of oil reservoir. Add 0.5 for removing lower covers (H101) for bottom injector only.
- 10) Use failing part number 8888885 for software updates unless the EMM software update is being performed as a result of a specific warranty bulletin. Refer to the applicable warranty bulletin for unique failing part numbers related to specific warranty campaigns.
- 11) Replacement Item Only – Contact After Sales Support – Tech Service.

***For ICON system components see page 24.**

250, 300 90° V6 (210 CU. IN. / 3.4 L) EVINRUDE E-TEC*

Powerhead	Note	Code	Time
Powerhead - Replace	1,2,6	P101	11.4
Cylinder Head and Gasket (One)		P102	2.7
Cylinder Head and Gasket (Both)		P103	3.7
Thermostat (One)		P106	1.7
Thermostat (Both)		P107	2.0
Cylinder and Crankcase - Reseal	1,6	P109	6.2
Cylinder and Crankcase - Rebuild	1,6	P110	13.5
Crankshaft - Replace	1,6	P111	9.5
Upper Crankshaft Seal	6	P112	3.0
Lower Crankshaft Seal		P113	4.2
Upper Main Bearing	6	P114	3.0
Lower Main Bearing		P115	4.8
Gasket - Powerhead to Adapter		P117	3.9
Water Pressure Valve Assembly		P121	1.0
Midsection	Note	Code	Time
Lower Engine Cover(s)	1	H101	0.5
Steering Arm Assembly - Pivot Shaft		H102	3.5
Swivel Bracket	1, 3	H105	4.5
Thrust Rollers or Pads Swivel Bracket (Both)		H106	0.2
Stern Brackets (One or Both)		H107	1.5
Lower Mount Bracket		H110	3.5
Shift Lever		H111	1.5
Tilt Tube		H114	1.0
Trail Lock Arm - Motor Support		H115	0.3
Lever and Shaft - Trail Lock		H116	0.3
Lever - Tilt Lock		H119	0.3
Upper Mounts		H121	4.1
Exhaust Housing - Outer	1	H122	6.8
Inner Exhaust Adaptor	1	H123	6.5
Exhaust Housing - Inner - Lower		H124	2.5
Water Tube and/or Upper Grommet	1	H125	5.2
Lower Mounts		H126	1.5
Exhaust Back Pressure Nipple		H127	1.2
Gearcase	Note	Code	Time
Gearcase Assembly	1,2	G101	2.0
Gearcase Assembly - Reseal (Complete)	1	G102	3.8
Gearcase Housing Only - Replace	1	G103	5.0
Pinion Bearing - Replace	1	G104	5.4
Propshaft Bearing Housing - Replace		G105	1.2
Propshaft Bearing Housing - Rebuild	7	G106	1.4
Reverse Gear Only - Replace	1	G107	1.3
Lower Driveshaft or Upper Bearing Housing Replace (requires shimming)	1	G108	4.0
Shift Rod Cover/Bushing/O-Ring	1	G109	2.5
Propshaft or Shifter Clutch Dog	1	G110	4.0
Forward and/or Pinion Gear	1	G111	5.0
Shift Housing and/or Forward Bearing Assembly	1	G112	4.8
Water Pump	1	G113	2.0
Additional Time for Pressed Rear Bearing Carrier		GX02	0.4

250, 300 90° V6 (210 CU. IN. / 3.4 L) EVINRUDE E-TEC*

Fuel System / Oil System	Note	Code	Time
Intake Manifold/Reed Plate - Repair/Replace	6	F107	1.9
Fuel Hoses or Connectors - Repair/Replace		F116	0.5
Oil Pick Up Assembly - Oil Tank		F119	1.5
Fuel Lift Pump Assembly		F121	1.0
Fuel Lift Pump Assembly (Rear)		FX21	0.5
Fuel Filter Assembly		F122	0.5
Water Sensor Assembly		F123	0.5
Vapor Separator and Electric Fuel Pump Assembly		F126	1.0
Oil Injector Assembly - Replace Manifold Assembly	8	F127	1.5
Rear oil distribution manifold		F128	1.0
Oil Pressure Sensor		F131	0.5
Fuel Injector Assembly - Replace or Service (One)	4,5	F134	1.5
Fuel Injector Assembly - (Each Additional)	4,5	FX34	0.5
One or Both Fuel Rails or All O-Rings	5	F135	2.2
Throttle Body Assembly		F137	0.5
Electrical / Ignition	Note	Code	Time
Flywheel	6	E101	0.7
Stator	6	E103	2.0
Ignition Coil Assembly (One)		E111	2.0
Ignition Coil Assembly (Each Additional)		E112	0.4
Engine Wiring Harness	1	E117	1.5
Shift Assist Switch		E118	1.0
Electric Starter Motor - Replace		E120	1.0
Electric Starter Motor - Repair		E121	2.0
Solenoid - Electric Starter		E123	1.0
Temperature Sensor		E126	1.0
EMM Assembly	1,3,6	E127	2.0
EMM Reprogram	10	EP10	0.5
Crank Sensor Assembly (CPS)	6	E128	1.0
Throttle Sensor (TPS)		E135	1.2
Sensor Assembly Air Temperature (AT)		E137	0.5
Capacitor		E138	0.7
Knock Sensor (One or Both)		E142	1.0
Power Trim	Note	Code	Time
Power Trim and Tilt - Replace	1,2	T101	1.8
Manifold - Rebuild/Replace		T102	3.0
Motor and Cable - Replace		T103	1.6
Motor and Cable - Rebuild		T104	2.1
Valve Body and Pump Assy. - Replace		T105	2.2
Reservoir - Replace		T107	1.6
Trim Cylinder - Repair (One)		T108	2.1
Trim Cylinder - Repair (Both)		T109	2.3
Tilt Cylinder - Repair		T110	2.3
Manual Release Valve		T112	0.5
Internal Valves, Spring, O-Rings, Etc.		T113	2.0
Relay Assembly - (Both)		T115	0.8
Switch TNT Lower Motor Cover		T117	0.7
Sending Unit		T121	1.0
Trim Limit Switch		T122	1.0

1. Must have authorization number
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3. Contact dealer services for assistance
4. When servicing or replacing two or more components, call for prior authorization.
5. Add 0.5 (H101) for lower engine cover removal when replacing injector/coil assembly on bottom cylinder(s) or replacing lower tube assembly.
6. Includes timing verification
7. Add 1.0 for Counter Rotation Models
8. Flat rate time includes removal of lower engine covers.
9. Flat rate time includes removal of oil reservoir. Add 0.5 for removing lower covers (H101) for bottom injector only.
10. Use failing part number 8888885 for software updates **unless** the EMM software update is being performed as a result of a **specific warranty bulletin**. Refer to the applicable warranty bulletin for unique failing part numbers related to specific warranty campaigns.
11. Replacement Item Only – Contact After Sales Support – Tech Service.

***For ICON system components see page 24.**

ACCESSORIES



CONTROLS

Controls	Note	Code	Time
Remote Control Assy. - External Mount - Replace		R101	1.4
Remote Control Assy. - External - Repair	***	R102	1.2
Remote Control Assy. - Binnacle Mount - Replace		R103	1.6
Remote Control Assy. - Binnacle - Repair	***	R104	1.3
Remote Control Assy. - Concealed Mount - Replace		R105	1.8
Remote Control Assy. - Concealed Mount - Repair	***	R106	2.0
Shift and Throttle Control Handle - Replace		R107	0.7
Shift and Throttle Cable - Replace		R108	1.0
Trim Switch (In Control Handle)		R109	1.0
Horn-Clamped to Wiring Harness		R110	0.7
Horn-Mounted Inside Control Box		R111	1.2
Key Switch (in Dash)		R112	0.5
Stop Switch (in Dash)		R113	0.7
Wiring Harness (Engine to Dash)		R114	1.4
Trim Switch (Tiller Handle)		R115	1.0

*** Remote control repair includes the repair or replacement of any internal component such as switches, levers, cams or electrical cables etc.

SYSTEMS CHECK GAUGES

Gauges	Note	Code	Time
Replace Gauge - One		GR1	0.5
Replace Gauge - Each Additional		GR2	0.3
Instrument Panel		GR3	1.0

FUEL SYSTEM

Fuel System	Note	Code	Time
Fuel Tank - Manifold Repair or Replace (3 or 6 Gallons)		F118	0.8
Accu-Mix - Repair		F120	1.0

I-COMMAND

Classic	Note	Code	Time
Replace Gauge		IC01	0.5
Replace Gauge - Each Additional		IC02	0.3
Power Hub - Can Bus		IC03	1.5
Consolidator		IC04	1.5
SIM Module		IC05	1.5
Terminator Kit		IC06	0.5
ATO / ATC 1 and 5 AMP - Blade Fuse		IC07	0.5
Warning Horn		IC08	0.5
Jumper Cap - Speedometer		IC09	0.5
Connector & Seal AY		IC10	0.5
Harness - 2" Tachometer, 2" Speedometer		IC11	0.5
Harness - Adaptor, Terminator		IC12	0.5
Harness - 10' and 15'		IC13	1.5
Harness - Power Supply 5, 10, 15FT		IC14	1.0
Harness - Data (BUSS) 5' - 20'		IC15	1.5
Harness Kit - Ignition, TNT 12ft thru 28ft		IC16	1.5
Harness Kit - Ignition, TNT 15ft (Dual Engine)		IC17	2.0
Harness Kit - 20ft, 25ft (Dual Engine)		IC18	2.0
Harness Kit - 20ft, 25ft (Triple Engine)		IC19	2.5
Harness - 6ft, 10ft (Multiple Engine)		IC20	1.5
Digital	Note	Code	Time
Replace Gauge		ID01	0.5
Replace Gauge - Each Additional		ID02	0.3
Harness - EMM		ID03	1.0
Harness Kit - Ignition, TNT / 12ft - 28ft		ID04	1.5
Harness Kit - Ignition, TNT / 15ft - 25ft (Dual Engine)		ID05	2.0
Harness Kit - Ignition, TNT / 20ft - 25ft (Triple Engine)		ID06	2.5
Harness Adapter - Multiple Engine / 6ft – 10ft		ID07	1.5
TEE		ID08	0.5
Terminator		ID09	0.5
Power Supply (Single Engine)		ID10	0.5
Power Supple (Multiple Engine)		ID11	1.0
Cable - Network BUSS 1ft – 6 ft		ID12	0.5
Cable - Network BUSS 15ft – 25ft		ID13	1.0
Converter - Fuel Level - I0		ID14	1.0
Converter - Fuel Level - I1		ID15	0.5
Converter - Fuel Level - I2		ID16	1.0
Converter - Fuel Level – Un-configured		ID17	1.0
Sender - Oil 1.8 gal		ID18	1.5
Sender - Oil 3.0 gal		ID19	1.5
Converter - Oil Level - I0		ID20	1.0
Converter - Oil Level - I1		ID21	1.0
Converter - Oil Level - I2		ID22	1.0
Sensor - Water Pressure		ID23	0.5
Water Pressure - Engine - I0		ID24	1.0
Water Pressure - Engine - I1		ID25	1.0
Water Pressure - Engine - I2		ID26	1.0
Hose - Water Pressure Kit		ID27	1.5
Elbow - Water Pressure Kit		ID28	0.5
Adaptor - Cable AY		ID29	0.5
GPS - Antenna & TEE AY		ID30	1.5
GPS - Quick Mount		ID31	1.0
GPS - Module		ID32	1.5
Speed and Fuel Economy Kit		ID33	2.0

Digital - Continued	Note	Code	Time
Memory Module		ID34	1.0
Sensor - Sea Water Temperature		ID35	1.5
Paddle Wheel Speedometer		ID36	1.5
Tri-ducer - Transom Mount		ID37	1.5
Transducer - Transom Mount		ID38	1.5
Tri-ducer - Thru Hull		ID39	2.0
Software Update		ID40	0.5

ICON System

	Note	Code	Time
Actuator, Shift	1	IE01	1.0
Actuator, Throttle	1	IE02	1.0
Buss Cable Backbone - 20', 25'		IE03	0.5
Buss Cable Extension - 1', 2', 4'		IE04	0.5
Buss Cable Extension - 10', 15', 20'		IE05	1.0
Electronic Servo Module (ESM)	1	IE06	1.0
Fuse, 3amp, Key (Master Power)		IE07	0.5
Fuse, 10amp, Network Power Cable		IE08	0.5
Fuse, 30amp, ESM		IE09	0.5
Gateway Module	1	IE10	1.0
Hub, 6 Port		IE11	1.5
Key Switch Panel (Master Power)		IE12	0.5
Key / Start / Stop Switch Panel - One or Two Engines		IE13	0.7
Network Power Cable - 10', 25'		IE14	0.5
Engine Identity Plug (0, 1, 2, 3 or 4)		IE15	0.5
Remote Control, Single Binnacle - 1 Engine	1	IE16	1.6
Remote Control, Dual Binnacle - 2, 3, 4, 5 Engines	1	IE17	1.6
Remote Control, Concealed Side Mount - 1 Engine	1	IE18	2.0
Start / Stop Switch Panel – 2, 3, 4, 5 Engines		IE20	0.7
Start / Stop Switch Panel, Concealed Side Mount		IE21	0.5
Trim Plate, Control Head		IE22	0.5
Trim / Tilt Switch Panel - 3, 4, 5 Engines		IE23	0.7
Plate, Actuator Mounting		IE24	1.5
Link, Throttle Actuator		IE25	0.5
Link, Shift Actuator to Lever	2	IE26	1.5

1. Must have authorization number
2. Includes removal of lower engine cover

MISCELLANEOUS

VOUCHERS - FLUID AND MISCELLANEOUS

The following part numbers have been established to issue credit vouchers. These part numbers represent an average amount of gearcase lube, power trim and tilt fluid, and motor oil used when making warranty repairs. Select the correct part number from the following list and enter it in the "List All Parts Used in Repair" section of the warranty claim form.

Part Number	Category	Dealer Net U.S.	Dealer Net CA
	Outboard Gearcase Lube		
090101	2-4 HP Gearcase Lube	\$1.50	\$1.62
090102	4-15 HP 2 & 4 Stroke Gearcase Lube	\$3.40	\$4.11
090103	25-70 HP 2 & 4 Stroke Gearcase Lube	\$6.75	\$8.64
090104	2 & 4 Stroke V-4 Gearcase Lube	\$9.00	\$11.48
090105	V-6 Gearcase Lube	\$9.00	\$11.48

IMPORTANT: Gearcase lube dollar amounts (Dealer Net) are based on a single gallon quantity at dealer cost, using *Evinrude/Johnson Ultra-HPF™*

Part Number	Category	Dealer Net U.S.	Dealer Net CA
	Motor Oil		
090201	4, 5, 6, 8 HP 4 Stroke Powerhead	\$5.00	\$5.80
090202	9.9/15 HP 4 Stroke Powerhead	\$5.75	\$6.45
090203	40/50 HP 4 Stroke Powerhead	\$7.20	\$8.70
090204	60/70 HP Stroke Powerhead	\$23.00	\$25.30
090205	90/115/140 HP 4 Stroke Powerhead	\$28.00	\$29.50
090206	200/225 HP 4 Stroke Powerhead	\$41.76	\$43.76

Part Number	Category	Dealer Net U.S.	Dealer Net CA
	Miscellaneous		
090301	Paint, Primer, Degreaser, or Marine Cleaner	\$6.50	\$6.95
090302	Heli – Coil Insert	\$1.00	\$1.20
090304	Trim & Tilt – Outboard	\$2.50	\$2.95
090305	Rope Manual Start – Outboard	\$3.00	\$3.60
090306	Fuel Hose - Outboard	\$2.00	\$2.40

ADDITIONAL ALLOWANCE

Outboard	Note	Code	All others	3 Cyl	V4	V6
Saltwater Allowance (for Major Assembly only)	1,3	Y102	0.3	0.4	0.5	0.5
Priming and Painting		Y103	0.6	0.7	0.8	0.9
Heli-Coil Repair (One)	2	Y104	0.3	0.3	0.3	0.3

NOTE: See Fluid and Miscellaneous section of this manual for part numbers for paint, Heli-Coils, etc.

1. Y102 Saltwater allowance may not be used on new motors.
2. May be used in conjunction with other flat rate codes that may be needed to expose the area to be repaired.
3. Major assembly examples include: powerhead, gearcase, exhaust housing, tilt & trim assembly.

CUSTOMER COMMENT CODES

Evinrude/Johnson has revised the customer comment codes to assist our Quality Assurance Department. This change will help *Evinrude/Johnson* identify and correct any problem areas in a timely manner. New numbers have been assigned to these codes. We now have fewer codes, which will make your selection easier.

These comment codes are to be used to describe the condition of the failing part number used on the claim. Choose the comment code from the list that is best suited for the failure.

Cosmetics/Paint

- 201 - Chipped
- 202 - Peeling/Flaking
- 203 - Cracked
- 204 - Scratched/Scraped
- 205 - Run/Sag
- 206 - Blistered
- 207 - Corrosion

Shipping/Packaging

- 210 - Missing part in package
- 211 - Wrong part in package
- 212 - Damaged in shipment

General

- 208 - Missing part on engine
- 209 - Wrong part on engine
- 213 - Grounded/Shorted
- 214 - Open circuit
- 215 - Burned
- 216 - High output
- 217 - No/Low output
- 218 - Warning malfunction
- 219 - Erratic/Intermittent
- 220 - Adjustment
- 221 - Foreign material
- 222 - Noisy
- 223 - Mismachined
- 224 - Misassembled
- 225 - Tight/Sticking
- 226 - Kinked/Bent
- 227 - Seized/Scuffed
- 228 - Restricted
- 229 - Pinched
- 230 - Fractured/Broken
- 231 - Split
- 232 - Stripped
- 233 - Loose
- 234 - Leaking
- 235 - Cut
- 236 - Deformed/Warped
- 237 - Rounded
- 238 - Software Revision
- 239 - Field Campaign

REQUEST FOR REVIEW OF FLAT RATE TIME STANDARD

Dealer Name: _____ Dealer Code: _____ Sender's Name: _____

Address: _____ Phone: _____
City, State, _____
Zip: _____ Date: _____

Engine _____ Serial # _____
Model #: _____ (Optional): _____

Flat Rate Code: _____ Time from Manual: _____ What do you feel time allowed should be? _____

Did the type of boat significantly affect repair time? _____

If the answer above is yes, please give the following information:

Make of Boat: _____ Model: _____ Year: _____

Comments:

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

To mail, fold this form in thirds and secure with tape.

In House use only:

Models Years Affected

Authorization _____

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USA

