

BARR

MARINE BY EDM

ENGINE CATALOG

BARR
MARINE BY EDM

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Indmar

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NEW 3.0L GM Base Marine Engine Indmar Part # 051079N

The Indmar 3.0L new base engine includes the following (when ordered under the above part number).

Block (with all internal components)
Water Circulating Pump
Spark Plugs
14" Flywheel
Oil Pan

Harmonic Balancer
Electronic Distributor
High Output Coil
Timing Shunt
Power Tach Lead

Valve Cover
Timing Chain Cover
Interrupter Harness
Cable / Coil to Distributor



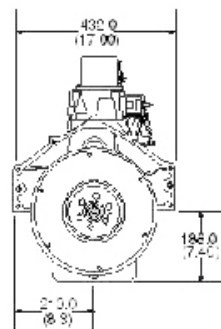
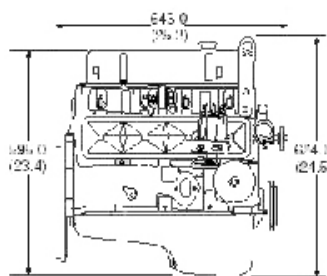
Specifications

Displacement:	181 C.I.D. (2966.59 CC) / 3.0L
Cylinders:	In-Line 4 Cylinder
Comp. Ratio:	9.25:1 (High Flow Vortec Head)
Valve Config.:	Pushrod Actuated / Overhead Valves
Valve Lifters:	Hydraulic Flat Tappet
Bore x Stroke:	4.00" x 3.60" (101.60 x 91.44 mm)
Main Bearings:	2 Bolt Cast Iron
Ignition:	Delco EST (Electronic)
Intake/Exhaust Manifold:	Customer Supplied
Block MFG.:	GM Powertrain
Flywheel Dia.:	14" (Ring Gear Towards Engine)
Firing Order:	1 - 3 - 4 - 2
Oil Pan Capacity:	4 Quarts (W/O Filter)
Oil Type:	SAE 15W40 Pennzoil Marine
Paint Protectant:	High Gloss Black / Superior Corrosion Resistant
Horsepower:	140 H.P. @ 4800 RPM (Carburetor)
Torque:	177 lb-ft @ 3600 RPM
Warranty:	1 Year Limited (90 Days Commercial)

Note: Actual power levels may vary depending on Indmar's calibration and application.

**Indmar is currently working on
Bobtail versions of this engine!**

Please call for availability!



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NEW

4.3L GM Base Marine Engine

Indmar Part # 051028N

The Indmar 4.3L new base engine includes the following (when ordered under the above part number).

Block (with all internal engine components)
Water Circulating Pump
14" Flywheel

Harmonic Balancer
Timing Chain Cover
Cast Iron Intake (2 barrel)

Valve Covers
Spark Plugs
Oil Pan

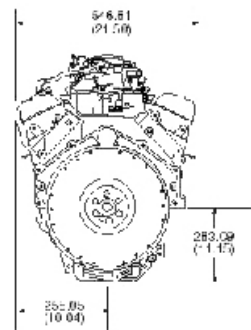
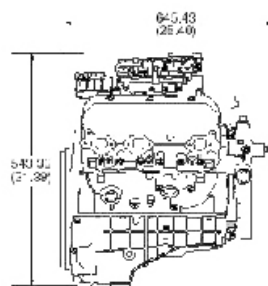
Specifications

Displacement:	262 C.I.D. (4294 CC) / 4.3L
Cylinders:	90 Degree V6 Cylinder
Comp. Ratio:	9.4:1
Valve Config.:	Overhead Valves (2 valves per cylinder)
Valve Lifters:	Hydraulic Roller
Bore x Stroke:	4.00" x 3.48" (101.60 x 88.39 mm)
Main Bearings Caps	Cast Iron GM232-M
Ignition:	Customer Supplied
Intake Manifold:	Cast Iron (2 Barrel Carburetor)
Block MFG.:	GM Powertrain
Flywheel Dia.:	14" (Ring Gear Towards Engine)
Firing Order:	1 - 6 - 5 - 4 - 3 - 2
Oil Pan Capacity:	4.5 Quarts (W/O Filter)
Oil Type:	SAE 15W40 Pennzoil Marine
Paint Protectant:	High Gloss Black / Superior Corrosion Resistant
Horsepower:	223 H.P. @ 4800 RPM (Carburetor)
Torque:	267 lb-ft @ 2800 RPM
Warranty:	1 Year Limited (90 Days Commercial)



Available Options:

-A full range of new replacement parts needed to complete the build up!



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NEW

4.3L GM “Enhanced Base” Marine Engine

Indmar Part # 051000

The Indmar 4.3L new “Enhanced Base” engine includes the following (when ordered under the above part number).

Block (with all internal engine components)
Water Circulating Pump
14” Flywheel
Electronic Distributor (HEI-Delco)
Carburetor (Holley/600 cfm)

Harmonic Balancer
Timing Chain Cover
Oil Pan
Fuel Pump (electronic)
Thermostat Housing

Valve Covers
Spark Plugs
Plug Wires
Coil
T-HSG Hose



Displacement:
Cylinders:
Comp. Ratio:
Valve Config.:
Valve Lifters:
Bore x Stroke:
Main Bearings Caps
Ignition:
Intake Manifold:
Block MFG.:
Flywheel Dia.:
Firing Order:
Oil Pan Capacity:
Oil Type:
Paint Protectant:
Horsepower:
Torque:
Warranty:

Specifications

262 C.I.D. (4294 CC) / 4.3L
90 Degree V6 Cylinder
9.4:1
Overhead Valves (2 valves per cylinder)
Hydraulic Roller
4.00" x 3.48" (101.60 x 88.39 mm)
Cast Iron GM232-M
Customer Supplied
Cast Iron (4 Barrel Carburetor)
GM Powertrain
14" (Ring Gear Towards Engine)
1 - 6 - 5 - 4 - 3 - 2
4.5 Quarts (W/O Filter)
SAE 15W40 Pennzoil Marine
High Gloss Black / Superior Corrosion Resistant
223 H.P. @ 4800 RPM (Carburetor)
267 lb-ft @ 2800 RPM
1 Year Limited (90 Days Commercial)

Note: Actual power levels may vary depending on Indmar's calibration and application.

Available Options:

-A full range of new replacement parts needed to complete the build up!

The Indmar “Enhanced Base” fuel and spark is brand new and the perfect engine for the boater who requires a new power plant in their boat. This engine is an excellent replacement for customer who has existing components they want to re-install to get their boat back in the water!



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NEW 4.3L GM “Bobtail” Marine Engine

The Indmar 4.3L “Bobtail” engine includes the following (when ordered under the above part number).

The Indmar Enhanced Base Plus

Coupler (Volvo or MerCruiser)	Alternator	Throttle Linkage	Exhaust System (Volvo or MerCruiser)
Starter (bottom mount)	Flame Arrestor	Dipstick and Tube	Flywheel Hsg. (where applicable)
Fuel/Water Sep. (I/O only)	Weather Cover	E Z Oil Drain	High Gloss Paint (non-corrosive)
Engine Wiring Harness	Crank Pulley	Circ. Pump Pulley	Dust Cover (where applicable)
P/U Pump (when applicable)	Torsion Damper (where applicable)		



The “Bobtail” engines by Indmar are built only with premium components to insure many years of boating! These super high quality engines have everything factory installed to make sure your customer’s complete engine replacement is a smooth transaction!

Please give the folks at Barr Marine By EDM or one of our very fine engine distributors a call and we will be glad to help you get started breathing life back into your boat!

Part# 051002
Part# 051002M
Part# 051002VO
Part# 051003
Part# 04430M

Part# 04330V

Bobtail without exhaust
Bobtail with Merc exhaust I/O
Bobtail with Volvo exhaust I/O
Inboard Bobtail with exhaust
Carb Bobtail with Merc exhaust I/O
with Power Steering
Carb Bobtail with Volvo exhaust I/O
with Power Steering

Note: Closed cooling system, power steering system, and fuel water separator are shown but must be purchased in addition to the bobtail engine. Fuel / water separator is only included on I/O Bobtails only (at no extra charge).

Available Options:

- Power Steering System (w/ oil cooler)
- Closed Cooling (Half or Full System)



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Replacement **Block Components** and Related Parts For The **4.3L Carbureted Engine**

All replacement parts are from only the best manufacturers and are used on our production engines as well!



885016



531009



535033



8 0006



535011



MC 8 66418

4.3L Block Components

Part Number	Part Description
MC 8 66418	Front Engine Mount (Merc. replacement-in pairs)
885016	Drive Plate (torsion damper)
531009	Flywheel Housing (bottom mount starter)
535033	Splash Plate (bottom mount starter)
531005	Front Engine Mount, RH (to block)
531004	Front Engine Mount, LH (to block)
515003KIT	E-Z Oil Drain Kit (metric thread)
25 1000	Power Steering Kit (only installed at Barr Marine)
495121	Remote Oil Filter Kit

Part Number	Part Description
8 0006	Stringer Mount (for #MC 8 66418)
535011	Transmission Mount (for direct drive ZF Trans.)
535015R	Trans. Mount (RH-for reduction and V-Drive ZF)
535015L	Trans. Mount (LH-for reduction and V-Drive ZF)
535021	Trunion (for #531004 & 5)
535032	Stringer Mount (flat)
551660	Dipstick (V6 engine)
551661	Dipstick Tube (V6 engine)

Note: The Barr Power Steering System is not for sale unless sold as a direct replacement or sold already installed on an Indmar bobtail engine! It is recommended that the new Power Steering System is installed on all bobtail engines.

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Replacement Cooling System and Related Parts For The 4.3L Carbureted Engine

All replacement parts are from only the best manufacturers and are used on our production engines as well!



981108



981204



685001



041242



041494



645001



CHV 29 80



MC 2 17437

4.3L Cooling System

Part Number	Part Description
981001	Pick Up Pump Bracket (old style)
981108	Pick Up Pump Bracket "A" (new style)
981204	Pick Up Pump Bracket "B" (new style)
685001	Pick Up Pump, Complete (pump only)
685000	Pick Up Pump Rebuild Kit
845010	Hose, Circ. Pump to Thermostat Housing
551240	Single Groove Circ. Pump Pulley
041242	Dual Groove Circ. Pump Pulley
551241	Single Groove Crank Pulley
041494	Dual Groove Crank Pulley
531067	Thermostat Housing (low profile)

Part Number	Part Description
CHV 29 80	Thermostat Housing (Barr style)
531093	1/2" Spacer, T-Stat Housing
986034	Thermostat (drilled for FWC)
MC47 27 53045	Gasket, Intake to Thermostat Housing
551045	Circulation Pump (GM Style)
MC 2 17437	Circulation Pump (Barr style)
MC47 27 34897	Gasket, Circ Pump to Engine
645001	Temperature Sender
BA 37 0350	Closed Cooling System (full)
BA 37 0000	Closed Cooling System (half)
531015	Thermostat Housing (Indmar Style)

Note: See the Barr Marine By EDM catalog for exhaust system options. All "bobtail" engines purchased with exhaust will automatically includes "center rise" exhaust systems ONLY!

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Replacement Electrical System and Related Parts For The 4.3L Carbureted Engine

All replacement parts are from only the best manufacturers and are used on our production engines as well!



571006



575010



MC 27 93175



BA 27 0430



801059



556096



556194



80 473037

4.3L Electrical System

Part Number	Part Description
571006	Bottom Mount Starter
551306	Starter Bolt (single, bottom mount)
805061	Starter Relay (carbureted)
755001	Starter Solenoid (bottom mount)
575003	Starter Solenoid (top mount)
573001	Top Mount Starter (LH)
575001	Top Mount Starter (RH)
575010	Alternator (70 AMP)
MC 27 93175	Alternator Bracket (upper)
BA 27 0430	Alternator Bracket (lower)
27 0430	Bushing For 93175
50 170 235	Mounting Bolt For 93175
801059	Wire Harness

Part Number	Part Description
556096	Ignition Module
556051	Relay, Ignition and Fuel Pump
556084	Rotor (distributor)
556194	Pick Up Coil (distributor)
551006	Clamp, Distributor
551037	Clamp Bolt, Distributor
550003	Distributor Kit
80 473037	Wire Harness Adaptor (cannon style to square)
801012	Timing Shunt
986045	Lifting Eye (single)
50 270 012	Lock Washer For 93175
725036	Alternator Belt (vee)
805012	Spacer For Wire Harness

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Replacement Fuel System and Related Parts For The 4.3L Carbureted Engine

All replacement parts are from only the best manufacturers and are used on our production engines as well!



BA 45 80492



981089



12550460



496002



496007



525007



BA 45 188115



IND 45

4.3L Fuel System

Part Number	Part Description
525007	Flame Arrestor w/ Vent Tube for ½" I.D. Hose
496007	Fuel Pump Safety Switch
BA 45 188115	Fuel Line (pump to carburetor)
605006	Fitting, 90 degree elbow (line in pump)
601008	Fitting, Inverted Flare (pump to fuel line)
12550460	Intake Manifold (4 barrel/cast iron)
MC 45 0005	Carburetor Gasket
981089	Throttle Bracket (Quest style)
BA 45 KIT	Fuel/Water Separator Kit

Part Number	Part Description
IND 45	Throttle Bracket (Holley style)
496002	Carburetor Wedge Kit
986024	Rosette Knob (for flame arrestor)
605036	Hose, Vent Tube to Flame Arrestor
695002	Throttle Cable Clip
500001	Electronic Fuel Pump Kit
BA 45 80492	Carburetor (600 CFM/4 barrel)
BA 45 1932	Carburetor Adaptor (spread bore to square bore)
425036	Intake Manifold (2 barrel/take off)

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NEW

5.0L GM "Long Block/Green" (vortec) Marine Engine

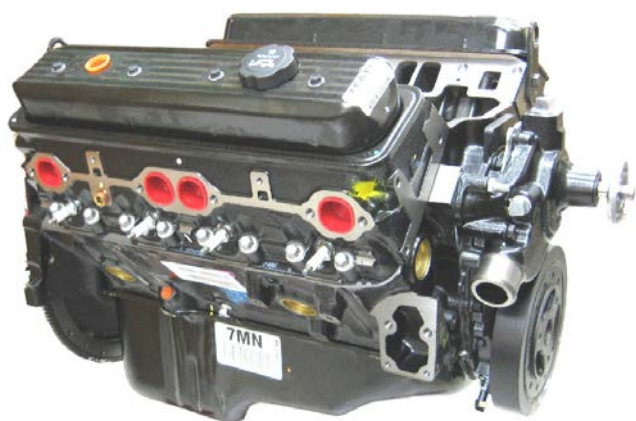
Indmar Part # 05170G

The Indmar 5.0L new "Long Block" engine includes the following (when ordered under the above part number).

Block (with all internal engine components)
Water Circulating Pump
14" Flywheel

Harmonic Balancer
Timing Chain Cover
Oil Pan

Valve Covers
Spark Plugs



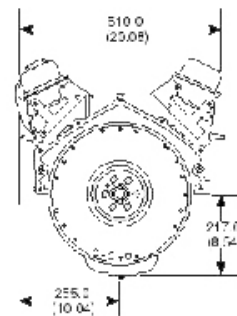
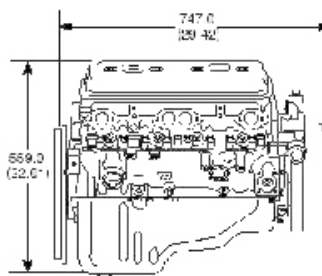
Specifications

Displacement:	350 C.I.D. (5736 CC) / 5.7L
Cylinders:	90 Degree V8 Cylinder
Comp. Ratio:	9.4:1
Valve Config.:	Overhead Valves (2 valves per cylinder)
Valve Lifters:	Hydraulic Roller
Bore x Stroke:	4.00" x 3.48" (101.60 x 88.39 mm)
Main Bearings Caps:	Cast Iron GM232-M
Ignition:	Customer Supplied
Intake Manifold:	Customer Supplied (Vortec Style)
Block MFG.:	GM Powertrain
Flywheel Dia.:	14" (Ring Gear Towards Engine)
Firing Order:	1 - 8 - 4 - 3 - 6 - 5 - 7 - 2
Oil Pan Capacity:	5.5 Quarts (With Filter)
Oil Type:	SAE 15W40 Pennzoil Marine
Horsepower:	292 H.P. @ 4800 RPM (Carburetor)
Torque:	370 lb-ft @ 3200 RPM
Warranty:	1 Year Limited (90 Days Commercial)

Note: Actual power levels may vary depending on Indmar's calibration and application.

Available Options:

- Reverse (Right Hand) Rotation Order Part # 042001
- A full range of new replacement parts needed to complete the build up!
- 12 3/4" Flywheel Order Part # 24-14088650



**1 Year
Warranty!**

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NEW

5.0L GM “Enhanced Base” Marine Engine

Indmar Part # 041005

The Indmar 5.0L new “Enhanced Base” engine includes the following (when ordered under the above part number).

Block (with all internal engine components)
Water Circulating Pump
14” Flywheel
Electronic Distributor (HEI-Delco)
Carburetor (Holley/4150-600 CFM)

Harmonic Balancer
Timing Chain Cover
Oil Pan
Fuel Pump (electronic)
Thermostat Housing

Valve Covers
Spark Plugs
Plug Wires
Coil
T-HSG Hose



Specifications

Displacement:	350 C.I.D. (5736 CC) / 5.7L
Cylinders:	90 Degree V8 Cylinder
Comp. Ratio:	9.4:1
Valve Config.:	Overhead Valves (2 valves per cylinder)
Valve Lifters:	Hydraulic Roller
Bore x Stroke:	4.00” x 3.48” (101.60 x 88.39 mm)
Main Bearings Caps:	Cast Iron GM232-M
Ignition:	Customer Supplied
Intake Manifold:	4 Barrel (Vortec Style)
Block MFG.:	GM Powertrain
Flywheel Dia.:	14” (Ring Gear Towards Engine)
Firing Order:	1 - 8 - 4 - 3 - 6 - 5 - 7 - 2
Oil Pan Capacity:	5.5 Quarts (With Filter)
Oil Type:	SAE 15W40 Pennzoil Marine
Horsepower:	310 H.P. @ 4800 RPM (Carburetor)
Torque:	370 lb-ft @ 3200 RPM
Warranty:	1 Year Limited (90 Days Commercial)

Note: Actual power levels may vary depending on Indmar’s calibration and application.

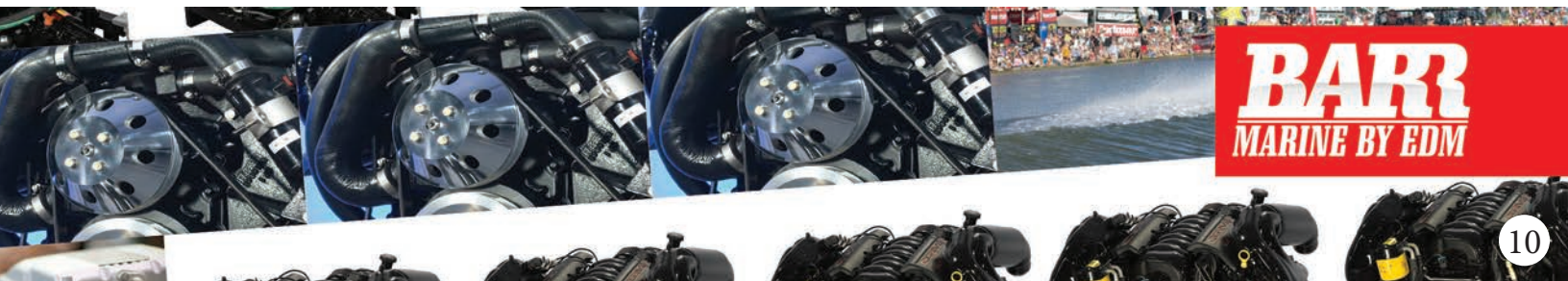
Available Options:

- Reverse (Right Hand) Rotation Order Part # 042000
- A full range of new replacement parts needed to complete the build up!
- 12 3/4” Flywheel Order Part # 24-14088650

The Indmar “Enhanced Base” fuel and spark is brand new and the perfect engine for the boater who requires a new power plant in their boat. This engine is an excellent replacement for customer who has existing components they want to re-install to get their boat back in the water!



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NEW

5.7L GM “Long Block/Green” (vortec) Marine Engine

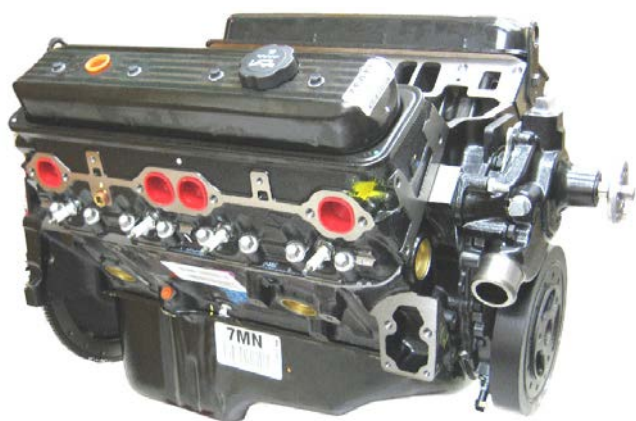
Indmar Part # 051038G

The Indmar 5.7L new “Long Block” engine includes the following (when ordered under the above part number).

Block (with all internal engine components)
Water Circulating Pump
14” Flywheel

Harmonic Balancer
Timing Chain Cover
Oil Pan

Valve Covers
Spark Plugs



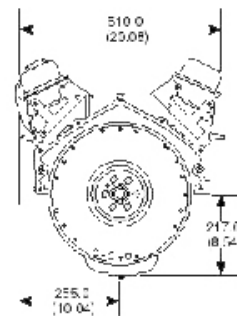
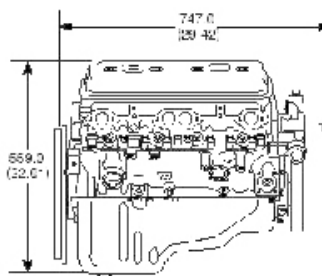
Specifications

Displacement:	350 C.I.D. (5736 CC) / 5.7L
Cylinders:	90 Degree V8 Cylinder
Comp. Ratio:	9.4:1
Valve Config.:	Overhead Valves (2 valves per cylinder)
Valve Lifters:	Hydraulic Roller
Bore x Stroke:	4.00" x 3.48" (101.60 x 88.39 mm)
Main Bearings Caps:	Cast Iron GM232-M
Ignition:	Customer Supplied
Intake Manifold:	Customer Supplied (Vortec Style)
Block MFG.:	GM Powertrain
Flywheel Dia.:	14" (Ring Gear Towards Engine)
Firing Order:	1 - 8 - 4 - 3 - 6 - 5 - 7 - 2
Oil Pan Capacity:	5.5 Quarts (With Filter)
Oil Type:	SAE 15W40 Pennzoil Marine
Horsepower:	292 H.P. @ 4800 RPM (Carburetor)
Torque:	370 lb-ft @ 3200 RPM
Warranty:	1 Year Limited (90 Days Commercial)

Note: Actual power levels may vary depending on Indmar's calibration and application.

Available Options:

- Reverse (Right Hand) Rotation Order Part # 042001
- A full range of new replacement parts needed to complete the build up!
- 12 3/4" Flywheel Order Part # 24-14088650



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REMANUFACTURED

5.7L GM “Service Base” (vortec) Marine Engine

Indmar Part # 021039-1030

The Indmar 5.7L “Service Base” engine includes the following (when ordered under the above part number).

Block (with all internal engine components)
Water Circulating Pump
Oil Pan

Harmonic Balancer
Timing Chain Cover

Valve Covers
Spark Plugs



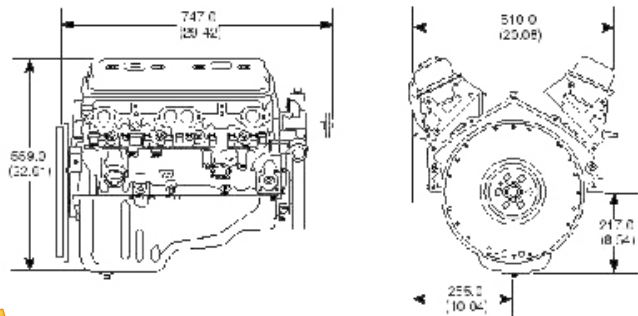
The “Service Base” engines by Indmar are built only with premium components to insure many years of boating! These engines are fitted with General Motors “Vortec” heads and can be purchased in either Left Hand (standard) or Right Hand (opposite) rotation. The Indmar “Service Base” engines are offered in a long block configuration and are perfect for the customer who wants to re-use their existing engine parts to complete the repower!

All of the components in our engines are totally re-machined, decked and pressure tested to NASCAR specifications at our own facility! This will provide you with the peace of mind that you have made the right choice in purchasing the BEST remanufactured marine engine on the market today.

Please give the folks at Barr Marine By EDM or one of our very fine engine distributors a call and we will be glad to help you get started breathing life back into your boat!

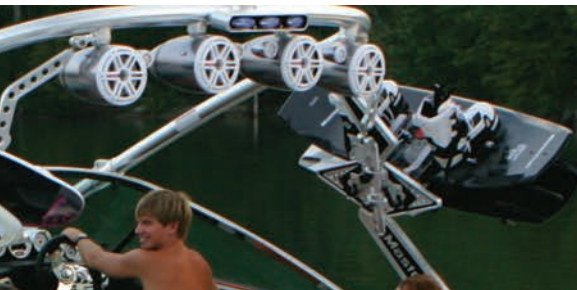
Available Options:

- Reverse (Right Hand) Rotation Order Part # 031039-1030
- A full range of new replacement parts needed to complete the build up!
- 12 3/4” Flywheel Order Part # 24-14088650



Flywheel not included in engine package.

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**BARR**
MARINE BY EDM

NEW

5.7L GM “Enhanced Base” Marine Engine

Indmar Part # 041000 5.7L GM Enhanced Base Marine Engine**Indmar Part # 041009** 5.7L GM Enhanced Base MPI

The Indmar 5.7L new “Enhanced Base” engine includes the following (when ordered under the above part number).

Block (with all internal engine components)
Water Circulating Pump
14” Flywheel
Electronic Distributor (HEI-Delco)
Carburetor (Holley/4150-600 CFM)

Harmonic Balancer
Timing Chain Cover
Oil Pan
Fuel Pump (electronic)
Thermostat Housing

Valve Covers
Spark Plugs
Plug Wires
Coil
T-HSG Hose



Specifications

Displacement:	350 C.I.D. (5736 CC) / 5.7L
Cylinders:	90 Degree V8 Cylinder
Comp. Ratio:	9.4:1
Valve Config.:	Overhead Valves (2 valves per cylinder)
Valve Lifters:	Hydraulic Roller
Bore x Stroke:	4.00” x 3.48” (101.60 x 88.39 mm)
Main Bearings Caps:	Cast Iron GM232-M
Ignition:	Customer Supplied
Intake Manifold:	4 Barrel (Vortec Style)
Block MFG.:	GM Powertrain
Flywheel Dia.:	14” (Ring Gear Towards Engine)
Firing Order:	1 - 8 - 4 - 3 - 6 - 5 - 7 - 2
Oil Pan Capacity:	5.5 Quarts (With Filter)
Oil Type:	SAE 15W40 Pennzoil Marine
Horsepower:	310 H.P. @ 4800 RPM (Carburetor)
Torque:	370 lb-ft @ 3200 RPM
Warranty:	1 Year Limited (90 Days Commercial)

Note: Actual power levels may vary depending on Indmar’s calibration and application.

Available Options:

- Reverse (Right Hand) Rotation Order Part # 042000
- A full range of new replacement parts needed to complete the build up!
- 12 3/4” Flywheel Order Part # 24-14088650

The Indmar “Enhanced Base” fuel and spark is brand new and the perfect engine for the boater who requires a new power plant in their boat. This engine is and excellent replacement for customer who has existing components they want to re-install to get their boat back in the water!



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NEW

5.7L GM “Bobtail” Carbureted Marine Engine

The Indmar 5.7L “Bobtail” engine includes the following (when ordered under the above part number).

The Indmar Enhanced Base Plus:

Coupler (Volvo or MerCruiser)	Alternator	Throttle Linkage	Exhaust System (Volvo or MerCruiser)
Starter (bottom mount)	Flame Arrestor	Dipstick and Tube	Flywheel Hsg. (where applicable)
Fuel/Water Sep. (I/O only)	Weather Cover	E Z Oil Drain	High Gloss Paint (non-corrosive)
Engine Wiring Harness	Crank Pulley	Circ. Pump Pulley	Dust Cover (where applicable)
P/U Pump (when applicable)	Torsion Damper (where applicable)		



Note: Power steering system is shown but must be purchased in addition to the bobtail engine. Fuel / water separator is only included on I/O Bobtails only (at no extra charge).

Available Options:

- Power Steering System (w/ oil cooler)
- Closed Cooling (Half or Full System)
- Top Mounted Starter (LH or RH Rotation)

The “Bobtail” engines by Indmar are built only with premium components to insure many years of boating! These super high quality engines have everything factory installed to make sure your customer’s complete engine replacement is a smooth transaction!

Please give the folks at Barr Marine By EDM or one of our very fine engine distributors a call and we will be glad to help you get started breathing life back into your boat!

Part# 041002	Bobtail without exhaust
Part# 041002A	Bobtail with exhaust
Part# 041002M	Bobtail MerCruiser I/O
Part# 041002VO	Bobtail Volvo I/O
Part# 04002	Bobtail without Exhaust RH inboard
Part# 04002A	Bobtail with exhaust RH inboard
Part# 04570M	Carb Bobtail with Merc Exhaust I/O with Power Steering
Part# 04570MF	Carb Bobtail with Merc Exhaust I/O with Power Steering and Fresh Water Cooling
Part# 04570MIF	Carb Bobtail with Merc Exhaust Inboard with Fresh Water Cooling
Part# 04570MIFR	Carb Bobtail with Merc Exhaust Inboard with Fresh Water Cooling Right Hand
Part# 04570V	Carb Bobtail with Volvo Exhaust I/O with Power Steering
Part# 04570VF	Carb Bobtail with Volvo Exhaust I/O with Power Steering and Fresh Water Cooling



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BARR
MARINE BY EDM

Replacement **Block Components** and Related Parts For The **5.7L Carbureted Engine**

All replacement parts are from only the best manufacturers and are used on our production engines as well!



CR 23 350



551040



551455



MC 24 44187



MC 24 14043



885016



535021



535032

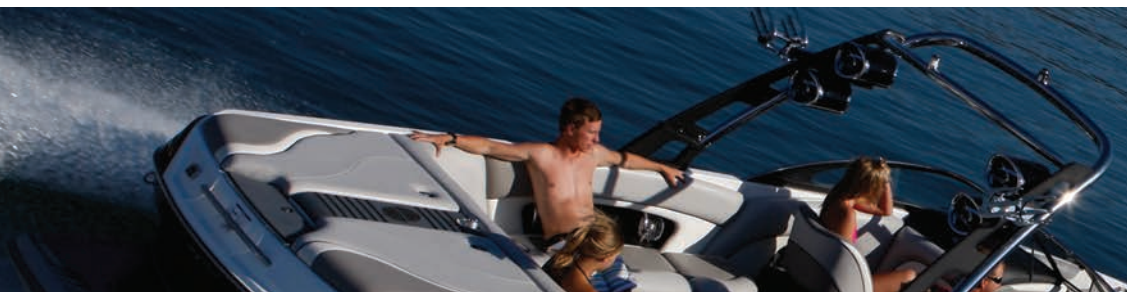
5.7L Block Components

Part Number	Part Description
MC 8 66418	Front Engine Mount (Merc. replacement-in pairs)
885016	Drive Plate (torsion damper)
531009	Flywheel Housing (bottom mount starter)
535033	Splash Plate (bottom mount starter)
531005	Front Engine Mount, RH (to block)
531004	Front Engine Mount, LH (to block)
515003KIT	E Z Drain Oil Kit (metric thread)
551600	Oil Pan Kit
CR 23 350	Oil Pan (Aluminum)
551040	Dipstick Tube
551455	Dipstick
556222	Timing Chain Cover (LH)
556222-OR	Timing Chain Cover (RH)
551654	Cylinder Head Gasket
25 1000	Power Steering Kit
505001	PCV Valve (90 degree type)

Part Number	Part Description
8 0006	Stringer Mount (for #MC 8 66418)
535011	Transmission Mount (for direct drive ZF Trans.)
535015R	Trans. Mount (RH-for reduction and V-Drive ZF)
535015L	Trans. Mount (LH-for reduction and V-Drive ZF)
535021	Trunion (for #531004 & 5)
535032	Stringer Mount (flat)
556000	Valve Cover Kit
551350	Harmonic Balancer
501001	Oil Filter
495121	Remote Oil Filter Kit
551043	Flywheel, Bottom Mount, 14" (1 pc rear seal)
551044	Flywheel, Top Mount, 14" (1 pc rear seal)
24-14088650	Flywheel, Bottom Mount, 12 3/4" (1 pc rear seal)
MC 24 44187	Flywheel Housing (top/bottom mount)
MC 24 14043	Splash Plate (for MC 24 44187)
506002	PCV Valve (straight type)

Note: The Indmar Power Steering System is not for sale unless sold as a direct replacement or sold already installed on an Indmar bobtail engine! It is recommended that the new Power Steering System is installed on all bobtail engines.

www.barrmarine.net Toll Free: 866-255-9265



Replacement Cooling System and Related Parts For The 5.7L Carbureted Engine

All replacement parts are from only the best manufacturers and are used on our production engines as well!



685001



845010



551240



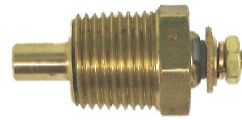
551241



531067



531093



645001



981001

5.7L Cooling System

Part Number	Part Description
981001	Pick Up Pump Bracket (old style)
981108	Pick Up Pump Bracket "A" (new style)
981204	Pick Up Pump Bracket "B" (new style)
685001	Pick Up Pump, Complete (pump only)
685000	Pick Up Pump Rebuild Kit
845010	Hose, Circ. Pump to Thermostat Housing
551240	Single Groove Circ. Pump Pulley
041242	Dual Groove Circ. Pump Pulley
551241	Single Groove Crank Pulley
041494	Dual Groove Crank Pulley
531067	Thermostat Housing (low profile)

Part Number	Part Description
CHV 29 80	Thermostat Housing (Barr style)
531093	1/2" Spacer, T-Stat Housing
986034	Thermostat (drilled for FWC)
MC47 27 53045	Gasket, Intake to Thermostat Housing
551045	Circulation Pump (GM Style)
MC 2 17437	Circulation Pump (Barr style)
MC47 27 34897	Gasket, Circ Pump to Engine
645001	Temperature Sender
531015	Thermostat Housing (Indmar Style)
BA 37 0350	Closed Cooling System (full)
BA 37 0000	Closed Cooling System (half)

Note: See the Barr Marine By EDM catalog for exhaust system options. All "bobtail" engines purchased with exhaust will automatically includes "center rise" exhaust systems ONLY! Log style exhaust system may be used in place of at an additional cost to the

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BARR
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Replacement Electrical System and Related Parts For The 5.7L Carbureted Engine

All replacement parts are from only the best manufacturers and are used on our production engines as well!



986108



573001



575010



571006



986238



801059



556083



801012

5.7L Electrical System

Part Number	Part Description
556161	Spark Plug
571006	Bottom Mount Starter
551306	Starter Bolt (single, bottom mount)
805061	Starter Relay (carbureted)
755001	Starter Solenoid (bottom mount)
575003	Starter Solenoid (top mount)
573001	Top Mount Starter (LH)
575001	Top Mount Starter (RH)
575010	Alternator (70 AMP)
986108	Alternator Bracket (rear)
986238	Alternator Bracket (front)
725018	Alternator Belt (vee)
801059	Wire Harness

Part Number	Part Description
556096	Ignition Module
556051	Relay, Ignition and Fuel Pump
556084	Rotor (distributor)
556194	Pick Up Coil (distributor)
551006	Clamp, Distributor
551037	Clamp Bolt, Distributor
550002	Distributor Kit
80 473037	Wire Harness Adaptor (cannon style to square)
801012	Timing Shunt
986045	Lifting Eye (single)
805012	Spacer For Wire Harness
556083	Distributor Cap

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Replacement Fuel System and Related Parts For The 5.7L Carbureted Engine

All replacement parts are from only the best manufacturers and are used on our production engines as well!



525006



781003



981076



695002



MC 45 0001



841010



611034



531170

5.7L Fuel System

Part Number	Part Description
525006	Flame Arrestor w/ Vent Tube for 3/8" I.D. Hose
781003	F-Line (fuel line to carburetor fitting)
496007	Fuel Pump Safety Switch
981076	Fuel Line (pump to carburetor)
605006	90 Degree Fuel Fitting (line in)
601008	Inverted Flare Fuel Fitting (pump to fuel line)
556099	Intake Gasket
531170	Intake Manifold, 4 brl. (alm. w/ bronze cross-over)
N/A (call)	Intake Manifold, 4 barrel (cast iron)
611031	Carburetor Gasket (Holley-thick)

Part Number	Part Description
695002	Throttle Cable Clip
500001	Electronic Fuel Pump Kit
986024	Rosette Knob (for flame arrestor)
611034	Carburetor (600 CFM/4 barrel)
611015	Carburetor Repair Kit (for # 611034)
BA 45 KIT	Fuel/Water Separator Kit
MC 45 0001	Throttle Bracket (universal Holley style)
496002	Carburetor Wedge Kit
841010	Vent Hose (valve cover to flame arrestor)
981089	Throttle Bracket (Indmar style)

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NEW 5.7L GM “Bobtail” MPI Marine Engine

The Indmar 5.7L “Bobtail” engine includes the following (when ordered under the above part number).

Coupler (Volvo or MerCruiser)	Alternator	Throttle Linkage	Exhaust System (Volvo or MerCruiser)
Starter (bottom mount)	Flame Arrestor	Dipstick and Tube	Flywheel Hsg. (where applicable)
Fuel/Water Sep. (I/O only)	Circ. Pump Pulley	E Z Oil Drain	High Gloss Paint (non-corrosive)
Engine Wiring Harness	Crank Pulley	Torsion Damper (where applicable)	
P/U Pump (when applicable)	Dust Cover (where applicable)		



The “Bobtail” engines by Indmar are built only with premium components to insure many years of boating! These super high quality engines have everything factory installed to make sure your customer’s complete engine replacement is a smooth transaction!

Please give the folks at Barr Marine By EDM or one of our very fine engine distributors a call and we will be glad to help you get started breathing life back into your boat!

Part# 041003	Bobtail without exhaust
Part# 041003A	Bobtail with exhaust
Part# 041003M	Bobtail Mercruiser I/O
Part# 041003VO	Bobtail Volvo I/O
Part# 042003	Bobtail without Exhaust RH inboard
Part# 042003A	Bobtail with exhaust RH inboard
Part# 04571M	MPI Bobtail with exhaust Merc I/O with power steering
Part# 04571MF	MPI Bobtail with exhaust Merc I/O with power steering and fresh water cooling
Part# 04571MIF	MPI Bobtail with exhaust Merc inboard with fresh water cooling
Part# 04571V	MPI Bobtail with exhaust Volvo I/O with power steering
Part# 04571	MPI Bobtail with exhaust Volvo I/O with power steering and fresh water cooling

Note: Power steering system is shown but must be purchased in addition to the bobtail engine. Fuel / water separator is only included on I/O Bobtails only (at no extra charge).

Available Options:

- Power Steering System (w/ oil cooler)
- Closed Cooling (Half or Full System)
- Top Mounted Starter (LH or RH Rotation)



www.barrmarine.net Toll Free: 866-255-9265

Replacement **Block Components** and Related Parts For The **5.7L MPI Engine**

All replacement parts are from only the best manufacturers and are used on our production engines as well!



551044



551040



551455



MC 24 44187



MC 24 14043



535021



885016



535032

5.7L Block Components

Part Number	Part Description
MC 8 66418	Front Engine Mount (Merc. replacement-in pairs)
885016	Drive Plate (torsion damper)
531009	Flywheel Housing (bottom mount starter)
535033	Splash Plate (bottom mount starter)
531005	Front Engine Mount, RH (to block)
531004	Front Engine Mount, LH (to block)
515003KIT	E Z Drain Oil Kit (metric thread)
551600	Oil Pan Kit
CR 23 350	Oil Pan (Aluminum)
551040	Dipstick Tube
551455	Dipstick
556222	Timing Chain Cover (LH)
556222-OR	Timing Chain Cover (RH)
551654	Cylinder Head Gasket
25 1000	Power Steering Kit
551379	Oil Pressure Sensor (digital)

Part Number	Part Description
8 0006	Stringer Mount (for #MC 8 66418)
535011	Transmission Mount (for direct drive ZF Trans.)
535015R	Trans. Mount (RH-for reduction and V-Drive ZF)
535015L	Trans. Mount (LH-for reduction and V-Drive ZF)
535021	Trunion (for #531004 & 5)
535032	Stringer Mount (flat)
556000	Valve Cover Kit
556293	Crank Position Sensor
501001	Oil Filter
495121	Remote Oil Filter Kit
551043	Flywheel, Bottom Mount, 14" (1 pc rear seal)
551044	Flywheel, Top Mount, 14" (1 pc rear seal)
551350	Harmonic Balancer
MC 24 44187	Flywheel Housing (top/bottom mount)
MC 24 14043	Splash Plate (for MC 24 44187)
556102	MAP Sensor

Note: The Indmar Power Steering System is not for sale unless sold as a direct replacement or sold already installed on a Quest bobtail engine! It is recommended that the new Power Steering System is installed on all bobtail engines.

www.barrmarine.net Toll Free: 866-255-9265

Replacement **Cooling System** and Related Parts For The 5.7L MPI Engine

All replacement parts are from only the best manufacturers and are used on our production engines as well!



685001



981108



981204



531067



845010



041242



041494



531015

5.7L Cooling System

Part Number	Part Description
981001	Pick Up Pump Bracket (old style)
981108	Pick Up Pump Bracket "A" (new style)
981204	Pick Up Pump Bracket "B" (new style)
685001	Pick Up Pump, Complete (pump only)
685001	Pick Up Pump Rebuild Kit
845010	Hose, Circ. Pump to Thermostat Housing
551240	Single Groove Circ. Pump Pulley
041242	Dual Groove Circ. Pump Pulley
551241	Single Groove Crank Pulley
041494	Dual Groove Crank Pulley
531067	Thermostat Housing (low profile)
556013	Coolant Temperature Sender

Part Number	Part Description
CHV 29 80	Thermostat Housing (Barr style)
531093	1/2" Spacer, T-Stat Housing
986034	Thermostat (drilled for FWC)
MC47 27 53045	Gasket, Intake to Thermostat Housing
551045	Circulation Pump (GM Style)
MC 2 17437	Circulation Pump (Barr style)
MC47 27 34897	Gasket, Circ Pump to Engine
645001	Temperature Sender
531015	Thermostat Housing (Indmar Style)
BA 37 0350	Closed Cooling System (full)
BA 37 0000	Closed Cooling System (half)

Note: See the Barr Marine By EDM catalog for exhaust system options. All "bobtail" engines purchased with exhaust will automatically includes "center rise" exhaust systems **ONLY!** Log style exhaust system may be used in place of at an additional cost to the engine package.



Replacement Electrical System and Related Parts For The 5.7L MPI Engine

All replacement parts are from only the best manufacturers and are used on our production engines as well!



571006



573001



575010



556096



556083



80 473037

5.7L Electrical System(MPI)

Part Number	Part Description
556199	Spark Plug
571006	Bottom Mount Starter
551306	Starter Bolt (single, bottom mount)
986045	Lifting Eye (single)
755001	Starter Solenoid (top mount)
575003	Starter Solenoid (bottom mount)
573001	Top Mount Starter (LH)
575001	Top Mount Starter (RH)
575010	Alternator (70 AMP)

Part Number	Part Description
556096	Ignition Module
556084	Rotor (distributor)
556194	Pick Up Coil (distributor)
551006	Clamp, Distributor
551037	Clamp Bolt, Distributor
80 473037	Wire Harness Adaptor (cannon style to square)
986108	Alternator Bracket (rear)
986238	Alternator Bracket (front)
724018	Alternator Belt (vee)

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Replacement Fuel System and Related Parts For The 5.7L MPI Engine

All replacement parts are from only the best manufacturers and are used on our production engines as well!



521119



811127

5.7L Fuel System (MPI)

Part Number	Part Description
521119	Flame Arrestor For MPI Engine
556099	Intake Gasket
531125	Intake Manifold (PFI)
506002	PCV Valve (straight type)
505001	PCV Valve (90 degree type)
811127	Hose, Vent To Flame Arrestor

Part Number	Part Description
556014	Fuel Pump (w/ return line to tank)
556114	Throttle Body Gasket
636125	Fuel Pressure Regulator (4 bar)
556049	Fuel Injector
556104	IAC Valve
556103	Throttle Position Sensor

NEW

6.0L GM "Green" Base Marine Engine

Indmar Part # 051022G

The Indmar 6.0L new "Green" base engine includes the following (when ordered under the above part number).

Block (with all internal engine components)
Water Circulating Pump
Stock Flywheel
Ignition System (coil near plug)
Dip Stick Tube

Crank Pulley
Circ. Pump Pulley
Fuel System (GM supplied only)
Water Circulating Pump
Electronic Throttle Body

Valve Covers
Spark Plugs
Oil Pan
Dip Stick



Specifications

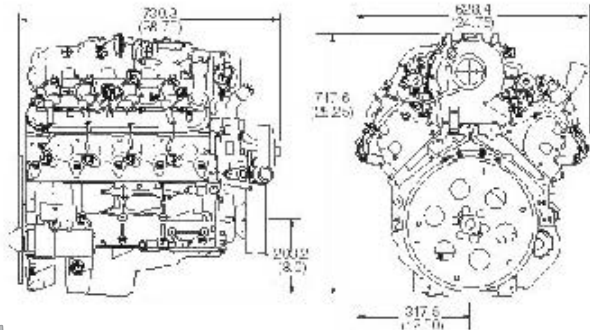
Displacement:	364 C.I.D. (5967 CC) / 6.0L
Type:	6000 V-8
Comp. Ratio:	10.1:1
Valve Config.:	Overhead Valves (2 valves per cylinder)
Valve Lifters:	Hydraulic Roller
Bore x Stroke:	101.60 x 92 mm
Main Bearings Caps	Powder Metal
Fuel System:	Port Fuel Injection
Fuel Type:	Regular Unleaded
Fuel Shutoff:	5900 to 6000 RPM
Emmision Controls.:	Positive Crankcase Vent./Returnless Fuel System
Firing Order:	1 - 8 - 7 - 2 - 6 - 5 - 4 - 3
Horsepower:	380 H.P. @ 5200 RPM
Torque:	409 lb-ft @ 4200 RPM
Warranty:	1 Year Limited (90 Days Commercial)

Note: Actual power levels may vary depending on Quest's calibration and application.

The new Vortec 6000 Marine Engine is sold through Indmar exactly the way GM builds the engine for us.

The 6.0L "Green" base engine features an electronic throttle body, coil near plug ignition, a cylinder head inspired by the LS6 Corvette engine and many more features that will make this the perfect direct replacement for any boater!

(Note: The LQ-9/6.0L uses a MEFI 5 ECM)



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BARR
MARINE BY EDM

NEW

7.4L GM (H.O./390 H.P) Long Block Marine Engine

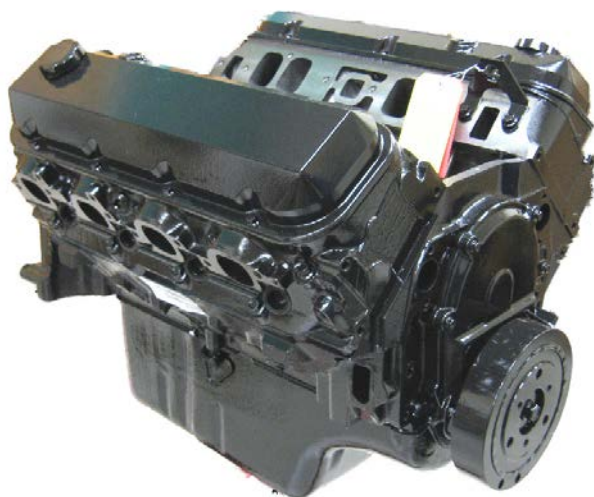
Indmar Part # 051014N

The Indmar 7.4L new "Long Block" engine includes the following (when ordered under the above part number).

Block (with all internal engine components)
Timing Chain Cover

Harmonic Balancer
Oil Pan

Valve Covers



Specifications

Displacement:	454 C.I.D. / 7.4L
Cylinders:	90 Degree V8 Cylinder
Comp. Ratio:	8.6:1
Valve Config.:	Overhead Valves (2 valves per cylinder)
Valve Lifters:	Hydraulic Roller
Ignition:	Customer Supplied
Intake Manifold:	Customer Supplied
Block MFG.:	GM Powertrain
Flywheel Dia.:	Customer Supplied
Firing Order:	1 - 8 - 4 - 3 - 6 - 5 - 7 - 2
Oil Pan Capacity:	8 Quarts (With Filter)
Oil Type:	SAE 15W40 Pennzoil Marine
Warranty:	1 Year Limited (90 Days Commercial)

Note: Actual power levels may vary depending on Indmar's calibration and application.

The Quest "Long Block" engine is brand new and the perfect engine for the boater who requires a new power plant in their boat. This engine is an excellent replacement for customer who has existing components they want to re-install to get their boat back in the water!



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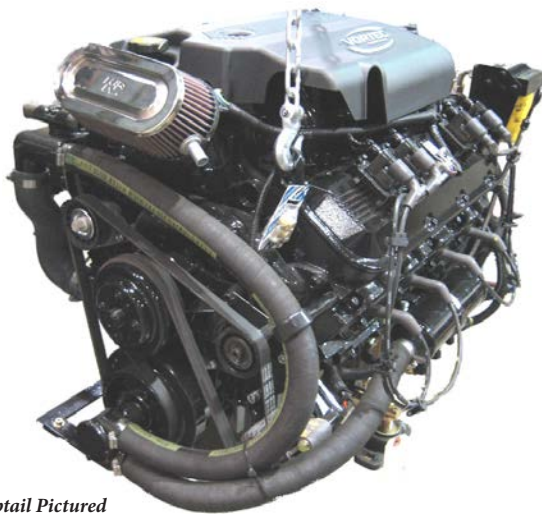


REMANUFACTURED 8.1L GM “EFI Base” Marine Engine Indmar Part # 051017-1000

The Indmar 8.1L remanufactured “Long Block” includes the following.

Engine Includes:

Intake manifold	Fuel Rail and Fuel Injectors	Ignition Coils	Flywheel
Harmonic Balancer	Water Circulating Pump	Oil Pan	
Block (with all internal engines components)			



8.1L Bobtail Pictured

The “Remanufactured” engines by Indmar are built only with premium components to insure many years of boating! These super high quality engines have everything factory installed to make sure your customer’s complete engine replacement is a smooth transaction!

Please give the folks at Barr Marine By EDM or one of our very fine engine distributors a call and we will be glad to help you get started breathing life back into your boat!

The 8.1L can only be built for an inboard application (no I/O’s).

Note: 3 inch spacer blocks must be used when installing the MerCruiser center rise exhaust (spacer # MC 20 93320A3 (spacers will be sold at an additional cost to the package).

Available Options:

-Closed Cooling (Half System only)



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**BARR**
MARINE BY EDM

NEW “LS3” 6.2L V8 Marine Engine Indmar Part # 417738

The Indmar “LS3” 6.2L V8 engine includes the following (when ordered under the above part number).

High-flow cylinder head
Hollow Steel Camshaft
Returnless Fuel Injection
Cast Iron Crankshaft

Cast Aluminum Block
Extended Life Spark Plugs
Stainless Steel Fuel Rail
Raised Rail Rocker Arm Covers

Intake Manifold
Oil Level Sensor
Forged Powder Metal Connecting Rods
Powder Metal Main Bearing Caps

Exhaust Manifold
Metric Fasteners

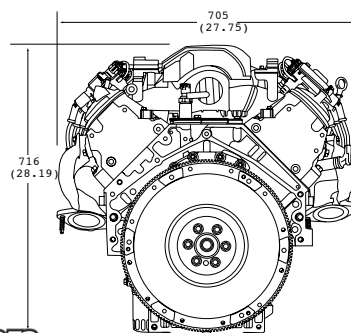
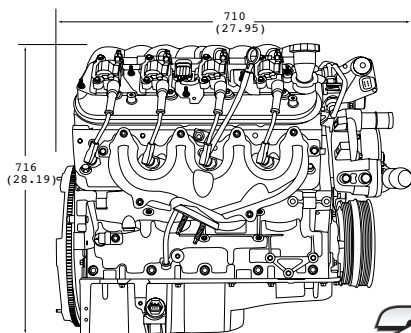


Factory-installed EFI hardware, including coil-near-plug ignition, is standard on the “LS3” 6.2L V-8 marine engine.

Specifications

Type:	6.2L V-8 (Gen-IV Small Block)
Displacement:	6162 cc (376.0 ci)
Compression Ratio:	10.7:1
Valve Configuration:	Overhead Valves (2 valves per cylinder)
Valve Lifters:	Hydraulic Roller
Firing Order:	1 - 8 - 7 - 2 - 6 - 5 - 4 - 3
Bore x Stroke:	103.25 x 92 mm
Fuel System:	Port Fuel Injection
Fuel Type:	Premium Fuel recommended, not required
Engine Orientation:	Longitudinal
Valves Per Cylinder:	2
Bore Center (mm):	111.76
Engine Mass:	TBD
Emission Controls:	Positive Crankcase Ventilation (PCV)
Horsepower:	418 hp (312 kW) @ 5400 rpm
Torque:	424 lb-ft (575 Nm) @ 4600 rpm
Warranty:	2 Year Limited (90 Days Commercial)

Note: Actual power levels may vary depending on Indmar's calibration and application.



www.barrmarine.net Toll Free: 866-255-9265

NEW

"LSA" 6.2L V8 SC Marine Engine

Indmar Part # 411174

The Indmar 6.2L LSA engine includes the following (when ordered under the above part number).

High Flow Injectors	Four Lobe Rotor Supercharger	Piston Oil Spray Cooling
Sumped Pistons	Stacked Plate Aluminum Oil Cooler	Returnless Fuel Injection
103.25mm Bore Block	Forged Steel Crankshaft	Stainless Steel Fuel Rail
High-Flow Cylinder Heads	Integrated Single Brick Charge Air Cooler	Rocker Arms

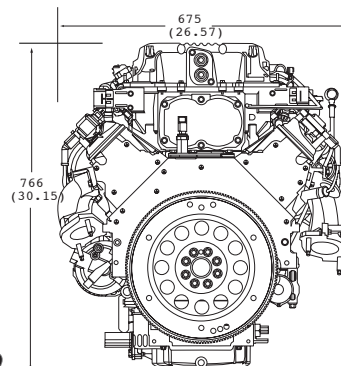
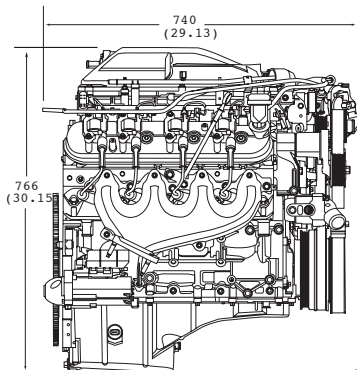


"LSA" 6.2L V-8 SC Marine
(Premium Fuel Required)

Specifications

Displacement:	6162 cc (376.0 ci)
Compression Ratio:	9.1:1
Valve Configuration:	Overhead Valves
Valve Lifters:	Hydraulic Roller
Firing Order:	1 - 8 - 7 - 2 - 6 - 5 - 4 - 3
Bore x Stroke:	103.25 x 92 mm
Fuel System:	Sequential Fuel Injection
Fuel Type:	Premium Fuel recommended, not required
Engine Orientation:	Longitudinal
Valves Per Cylinder:	2
Bore Center (mm):	111.76
Engine Mass:	467 lbs (212 kg)
Horsepower:	530 hp (395 kW) @ 5400 rpm
Torque:	545 lb-ft (739 Nm) @ 4000 rpm
Warranty:	2 Year Limited (90 Days Commercial)

Note: Actual power levels may vary depending on Indmar's calibration and application.



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Indmar Engine Parts KITS

All replacement parts are from only the best manufacturers and are used on our production engines as well!



BA 45 1932

Spread Bore to Square Bore Carburetor Adaptor

BA 45 1932 is used on the 4.3L Indmar Engine but may be used anywhere a 4 barrel spread bore to square bore carburetor conversion is needed!



BA 45 KIT

Fuel/Water Separator Kit for 4.3L and 5.7L Carbureted Engines

BA 45 KIT is included on all Bobtail 4.3L and 5.7L Indmar I/O carbureted engine and a great option for any other 4.3L or 5.7L bobtail engine!



500001

Electronic Fuel Pump Kit

500001 Fuel Pump Kit may be used on any 4.3L and 5.7L Enhanced Base or Bobtail. This kit is installed on all Enhanced Base and Bobtail 4.3L and 5.7L Indmar Carbureted Engines!



496007

Fuel Pump Safety Switch Kit

496007 F/P safety switch kit may be used on any 4.3L and 5.7L Enhanced Base or Bobtail. This kit is installed on all Enhanced Base and Bobtail 4.3L and 5.7L Indmar Carbureted Engines!

www.barrmarine.net Toll Free: 866-255-9265

Indmar Engine Parts KITS (continued)

All replacement parts are from only the best manufacturers and are used on our production engines as well!



550002

5.7L Complete Distributor Kit

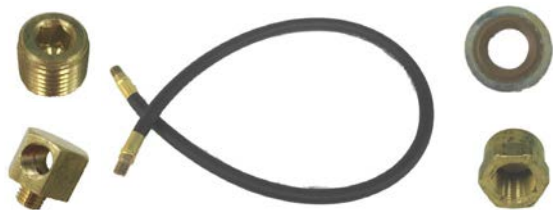
550002 is used on the 5.7L Indmar Engine and may be used anywhere an electronic ignition conversion is desired!



550003

4.3L Complete Distributor Kit

550003 is used on the 4.3L Indmar Engine and may be used anywhere an electronic ignition conversion is desired!



515003 KIT

4.3L and 5.7L Bobtail E-Z Drain Oil Kit

515003 KIT is used on the 4.3L and 5.7L Bobtail Engines and may be used anywhere an E-Z Oil Drain is needed!

Note: This kit is used for Metric Thread oil pans only.



495121

4.3L and 5.7L Remote Oil filter Kit

495121 is used on the 4.3L and 5.7L Bobtail Engines and may be used anywhere an Remote Oil Filter Kit is desired!

www.barrmarine.net Toll Free: 866-255-9265

Indmar Engine Parts KITS

All replacement parts are from only the best manufacturers and are used on our production engines as well!



551600

Indmar 5.7L Steel Oil Pan Kit

551600 KIT is used on the 5.7L Engines and may be used anywhere a steel oil pan replacement is needed!

Note: This kit is used for one piece seal engines only!



556000

Indmar 5.7L Valve Cover Kit

556000 KIT is used on the 5.7L Engines and may be used anywhere a valve cover replacement is needed!

Note: This kit replaces the "center bolt" valve covers only!



997422U (USB port)

997422S (serial port)

Indmar-Diacom Scan Tool MEFI 5 Kit

This DIACOM Software Kit can be used on all engines with MEFI 1 thru MEFI 5 systems installed!



685000

Indmar Pick Up Pump Rebuild Kit

685000 KIT is used on the 4.3L, 5.7L and 8.1L Engines and may be used anywhere a valve cover replacement is needed!

www.barrmarine.net Toll Free: 866-255-9265

Barr Closed Cooling KITS (5.7L & 4.3L Half and Full Systems)

All replacement parts are from only the best manufacturers and are used on our production engines as well!



BA 37 0000

5.7L & 4.3L Closed Cooling Half System

This FWC Half kit may be installed on any 5.7L bobtail Indmar Engine (front mount only)



BA 37 0350

5.7L & 4.3L Closed Cooling Full System

This FWC Full kit may be installed on any 5.7L bobtail Indmar Engine (front mount only)

www.barrmarine.net Toll Free: 866-255-9265

BARR
MARINE BY EDM

Marine Transmissions



Part# 494009, 494010



Part# 494011, 494012, 494013

- Part# 494001 ZF TRANSMISSION KIT-450A, 1:1 RATIO**
- Part# 494002 ZF TRANSMISSION KIT-450A, 1.5:1 RATIO**
- Part# 494003 ZF TRANSMISSION KIT-450A, 1:1 W/ WALTERS V-D**
- Part# 494004 ZF TRANSMISSION KIT-450A, 1.26:1 RATIO**
- Part# 494005 ZF TRANSMISSION KIT-630A, 1.5:1 RATIO**
- Part# 494006 ZF TRANSMISSION KIT-630V W/ HURTH V-D**
- Part# 494007 ZF TRANSMISSION KIT-630C, 1:1 W/ WALTERS V-D**
- Part# 494008 ZF TRANSMISSION KIT-630C, 1:1 RATIO**
- Part# 494009 ZF 45A 2.0:1 TRANSMISSION KIT**
- Part# 494010 ZF 45A 2.43:1 TRANSMISSION KIT**
- Part# 494011 ZF 63A 1.2:1 TRANSMISSION KIT**
- Part# 494012 ZF 63A 2.0:1 TRANSMISSION KIT**
- Part# 494013 ZF 63A 2.5:1 TRANSMISSION KIT**
- Part# 085005 VELVET DRIVE-71C, 1:1 RATIO**
- Part# 494101 MOUNTING KIT FOR VELVET DRIVE 71C TRANSMISSION**

It's The Law - Know Your Rights!

Consumers are protected from manufacturers who attempt to unfairly chain the purchasers of their products to the continued purchase of their maintenance and repair products and authorized services. Congress has provided consumers with this protection under the Magnuson-Moss Warranty Act as well as specific provisions of the Federal Trade Commission Improvement Act.

It's against the law for an original equipment manufacturer to inform consumers that their warranty would be void should they use other than genuine replacement parts or if service were to be preformed by anyone other than an authorized "OEM" dealer unless, of course, such parts and service were to be performed "Free of Charge" under the terms of the warranty.

The laws were enacted to grant the consumers and dealers the basic right to select replacement parts from competent manufacturers without fear of jeopardizing their warranty. The law directly provides the consumer the right of choice, the right to an affordable alternative choice of manufactured product. Of course, the original equipment manufacturer is not responsible for product failures or damages caused by product failures of product manufactured by others. Such damages become the responsibility of the company providing such products under the terms of their own warranties. Barr Marine by EDM originated the three-year limited warranty that has recently become the standard for all others to follow. Our warranty can be found in our catalog directly following this notice.

Barr Marine by EDM has been a manufacturer of Marine Engine Parts for seventy-three years. The company has and continues to manufacture marine engine parts for many of the original equipment manufacturers. For years, we have represented the affordable alternative choice for your needs. We thank you for your continued support!

Barr Marine By EDM
P.O. Box 190
100 Douglas Way
Natural Bridge Station, VA. 24579
Ph. # 1-540-291-4180
Fax # 1-540-291-4185

BARR
MARINE BY EDM

BARR MARINE BY EDM 1 YEAR ENGINE WARRANTY

Long Blocks
Pleasure Boat Applications

12 Months Parts and Labor*
24 Months Parts

Commercial or Charter Boats

12 Months Parts & Labor

Barr Marine expressly warrants that its engine is of good quality and free from defects in materials or workmanship. Purchaser acknowledges that Barr Marine has made no affirmation of fact or promise relating to its engines outside this Limited Warranty and Barr Marine has provided the purchaser no description, sample or model of its engine upon which the purchaser has relied in deciding to purchase a Barr Marine engine. Barr Marine will, at its sole discretion, replace defective parts or a complete engine. All repairs will be made at the seller's or distributors cost, plus applicable labor pursuant to the Labor Policy set forth below. PRIOR AUTHORIZATION IS REQUIRED FROM BARR MARINE BEFORE WARRANTY WORK IS BEGUN. Call Barr Marine at (866) 255-9265 for a numbered authorization. It is the sole responsibility of the ultimate purchaser/ owner to pay for such work and submit the alleged defective parts, written repair order showing all charges, and a written receipt for payment of all charges to Barr Marine for review and determination by Barr Marine that the engine failure is or is not covered by this Limited Warranty. Repairs or replacements do not extend this Limited Warranty.

Transferable

This Limited Warranty is transferable and is not limited to the ultimate purchase/owner at the time of the sale.

Labor Policy

Barr Marine will pay labor claims only to repair facilities it has authorized. Barr Marine will not be liable for or pay any labor claims on Barr Marine engines installed by a third party who is not a certified marine mechanic (Marine Certificate or equivalent). All labor expense for field repairs, removal or reinstallation shall be limited to that expense and to those hours listed in the most recent Motors Flat Rate Manual, or equivalent manual pre- approved by Barr Marine, at the prevailing labor rate for the area but not to exceed \$40.00 per hour. In no event shall the total amount of labor cost exceed \$350.00 for all boats 20 foot or shorter, \$450.00 for cabin cruisers 21 foot or longer. A \$100.00 crane allowance will be allowed on cabin cruisers 21 feet or longer in addition to the limitation on labor costs.

OWNER OBLIGATIONS

After 10 hours upon initial startup, ultimate purchase/owner shall assure that a certified licensed and qualified mechanic authorized by Barr Marine inspects your engine, which inspection should include, but is not limited to, adjustment of tappets (if applicable), adjustment of valves, timing and carburetor adjustments, tightening of gasket bolts (Barr Marine recommends retorquing gasket bolts regardless of gasket type), and a change of oil and oil filter. Carefully monitor oil levels for the first 100 hours as oil consumption may be higher during this period. Use good quality motor oil of the appropriate grade and viscosity as recommended by the original engine manufacturer. Barr Marine recommends against the use of synthetic oils or non-detergent oil, the use of which by the ultimate purchaser/owner shall void this Limited Warranty. Proper oil pressure and lubrication are mandatory for good engine break-in. All boats should be equipped with gauges or lights to indicate engine temperature and oil pressure. DO NOT OPERATE BOAT WITH ABNORMAL OIL PRESSURE OR WATER TEMPERATURE. After initial startup, avoid excessive RPM and keep boat on plane. Vary RPM range for first 3 to 5 hours running time. High engine RPM may damage your new engine through friction and high temperatures. Avoid long period of idling. Engine overheating and failure due to lack of lubrication can be prevented by adequate monitoring of all gauges or lights and should never in the absence of neglect by the purchaser result in engine damage.

Continued

Limitations & Exclusions

ALL OTHER WARRANTIES EXPRESS OR IMPLIED, AND ALL IMPLIED WARRANTIES (INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY EXCLUDED AND NO WARRANTIES EXIST WHICH EXTEND BEYOND THE DESCRIPTION IN THE EXPRESS LIMITED WARRANTY ON THE FACE OF THIS DOCUMENT WITH REGARD TO ANY ENGINE OR PART PROVIDED BY BARR MARINE. NO ORAL STATEMENTS BY ANY PERSON, DISTRIBUTOR OR SALESMAN MAY MODIFY OR CHANGE THIS LIMITED WARRANTY. NO TERM OF ANY PURCHASE ORDER OR OTHER FORM THE PURCHASER OR DISTRIBUTOR/SELLER SHALL MODIFY OR CHANGE THIS LIMITED WARRANTY.

THIS LIMITED WARRANTY IS NOT AN UNCONDITIONAL WARRANTY AGAINST ALL HAZARDS OR FAILURES. BARR MARINE SHALL NOT BE RESPONSIBLE FOR:
DAMAGE OR REPAIRS REQUIRED AS A CONSEQUENCE OF FAULTY INSTALLATION/MISAPPLICATION, ABUSE, IMPROPER SERVICING, UNAUTHORIZED ALTERATION OR IMPROPER OPERATION.

PARTS NOT SUPPLIED BY BARR MARINE (INCLUDING BUT NOT LIMITED TO PAN, MANIFOLDS AND COVERS, WATER PUMPS, FUEL PUMPS, DISTRIBUTOR AND CARBURATOR OR FUEL INJECTION SYSTEMS), OR DAMAGES RESULTING FROM THE USE OF PARTS NOT SUPPLIED BY BARR MARINE.

DAMAGES RESULTING FROM DETONATION OR PRE-IGNITION, INCLUDING BUT NOT LIMITED TO MELTED OR BROKEN PISTONS, BROKEN OR SCORED RINGS, DAMAGED CYLINDER HEADS OR GASKETS, SCORING ON CYLINDER WALLS OR PISTON HEADS.

DAMAGES RESULTING FROM IMPROPER PRE-LUBRICATION PRIOR TO STARTUP.

THE ULTIMATE PURCHASERS/OWNERS EXCLUSIVE REMEDY AGAINST BARR MARINE SHALL BE FOR THE REPLACEMENT OF THE ENGINE OR PAY, AT DISTRIBUTORS COST, THE COST OF MATERIALS USED FOR REPAIRS AS SET FORTH ABOVE. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, ANY SPECIAL, DIRECT OR INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, SUCH AS LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, TOWING, OIL LUBRICATIONS, FILTERS, ANTIFREEZE, GASKETS, SHIPPING AND FREIGHT, LOSS OF USE OF VEHICLE OR LOSS OF TIME OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE ULTIMATE PURCHASER/OWNER.

NO WARRANTY FROM INDMAR PRODUCTS CO., INC.

INDMAR PRODUCTS CO., INC. GIVES NO WARRANTY, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS, OR ANY OTHER MATTER OF ANY GOODS WHICH ARE SUPPLIED BY BARR MARINE. INDMAR PRODUCTS CO., INC. SHALL BE IN NO WAY RESPONSIBLE FOR THEIR PROPER USE, IN SERVICE AND THE PURCHASER HEREBY WAIVES ALL RIGHTS OF REFUSAL AND RETURN OF GOODS. THE PURCHASER ACKNOWLEDGES THAT INDMAR PRODUCTS CO., INC HAS GIVEN NO WARRANTY AND THAT THE ONLY WARRANTY THAT PURCHASER SHALL HAVE SHALL BE SUCH WARRANTY, IF ANY, FROM BARR MARINE AS SET FORTH ABOVE AND THE PURCHASER SHALL LOOK SOLELY TO BARR MARINE.

Governing Law & Venue

The terms and provisions of the Limited Warranty, and each and every document related to this Limited Warranty, shall be governed by and construed according to the laws of the State of Virginia. Any action at law, suit in equity or judicial proceeding for the enforcement of the Limited Warranty or any provision thereof shall be instituted only in the courts of Virginia.

BARR MARINE BY EDM 2 YEAR ENGINE WARRANTY

1. **Warranty.** Pursuant to the terms and conditions and exclusions herein, Barr Marine by EDM, 100 Douglas Way, P.O. Box 190, Natural Bridge Station, Virginia 24579 ("Barr Marine"), warrants that its marine propulsion engine, factory installed accessories and the parts related thereto (collectively, "Product") are free from material defects in material and workmanship under normal use and service during the applicable warranty period as set forth herein.

2. **Coverage.** Barr Marine shall replace or repair any defect in material or workmanship relating to the Product under the terms and conditions of this Limited Product Warranty. Components or parts of the Product that Barr Marine determines in its sole discretion to be "worn-out" from use are specifically excluded from this Limited Product Warranty. If a Product or defective part thereof is, upon examination by Barr Marine, determined in sole opinion by Barr Marine to be defective, Barr Marine shall repair, or at its sole option, provide either a new or rebuilt replacement of equivalent quality. Barr Marine shall have the sole discretion to determine whether the replacement, if provided, shall be a new or rebuilt replacement. Barr Marine's sole obligation under this Limited Product Warranty is limited only to the foregoing obligations and exclusions as stated herein. The Limited Product Warranty shall only be available to Customers who complete and properly fill out and deliver to Barr Marine an authorized Barr Marine Warranty Registration card within ten (10) days of purchase of the Product as set forth herein.

3. **Customer.** This Limited Product Warranty is extended only to the original retail purchaser of a boat in which a Product has been installed pursuant to Barr Marine's approval or authority ("Customer"). If the boat is sold or traded prior to the end of the applicable warranty period set forth herein, the remainder of the applicable warranty period is transferable to the new owner (also referred herein as "Customer") provided that all of the requirements for a valid transfer as set forth in this Limited Product Warranty are satisfied. No transfer of any rights by any Customer shall be deemed valid or effective unless and until approved in writing by Barr Marine. Warranties of any nature to any person other than those described herein are specifically excluded.

4. **Excluded Items.** In addition to, and without in any way limiting, any exclusion set forth elsewhere in this Limited Product Warranty, this Limited Product Warranty shall not apply to the following items:

- (a) Shop supplies used in performing work pursuant to this Limited Product Warranty, including, but not limited to, rags, sealants and lubricants.
- (b) Incidental, punitive and/or consequential damages, including, but not limited to, storage charges, attorney fees, telephone or rental charges of any type, inconvenience or loss of time or income.
- (c) Minor adjustments and tune-ups, including, but not limited to, checking, cleaning or adjusting spark plugs, carburetor setting, filters, belts, controls and checking lubrication.
- (d) Water pump impellers, water hoses, cooling system anodes, or any component determined solely by Barr Marine to be damaged from the failure of any of such items.
- (e) Product failure as determined solely by Barr Marine to be caused by neglect, lack of maintenance, accident, abnormal operation, improper installation, improper preparation, improper winterization, improper dealer set-up, improper service or normal wear and tear.
- (f) Haul-out, launch, and towing charges.
- (g) Cost and expense incurred that relate to the removal and/or replacement of boat partitions or material due to boat design for necessary access to the Product.
- (h) Transportation charges and travel time incurred by Barr Marine to fulfill any of its obligations pursuant to this Limited Product Warranty.
- (i) Service or work to the Product as requested by the Customer that is as determined solely by Barr Marine to be beyond the scope of this Limited Product Warranty.
- (j) Use of parts other than Barr Marine parts (or parts authorized by Barr Marine) and the use of labor other than Barr Marine labor (or labor authorized by Barr Marine) when making repairs or providing a replacement under this Limited Product Warranty.
- (k) Oil, lubricants or fluids used for the normal maintenance of the Product.
- (l) Defects to the Product as determined solely by Barr Marine to be caused by or due to participation in or preparing for racing or other competitive activity.

Continued

- (m) Defects to the starter motor, armatures or field coil assembly of the Product as determined solely by Barr Marine to be caused by excessive cranking, condensation or submersion.
- (n) Defects to the Product as determined solely by Barr Marine to be caused by water entering the Product via the intake or exhaust system or submersion.
- (o) Defects to the Product as determined solely by Barr Marine to be caused by the use of fuels and lubricants that are not suitable for use with or on the Product or its fuel system components that was damaged or rendered inoperable from stale gasoline.
- (p) Defects to the Product as determined solely by Barr Marine to be caused by the lack of cooling water resulting from the motor being started out of water or foreign materials blocking intake passages.
- (q) Defects to the Product as determined solely by Barr Marine to be caused by servicing errors made by the Customer or by any servicing dealer/mechanic not approved or authorized by Barr Marine.
- (r) Product warranty claims that Barr Marine in its sole opinion determines are not due or traceable to material defects in material or workmanship of the Product; or
- (s) Delivery fees, including but not limited to, air freight, next-day or second-day air, or any special delivery fee or expense unless authorized by Barr Marine prior to ordering of parts and prior to any work or service provided by Barr Marine pursuant to this warranty, including but not limited to its ordering of parts.

5. **Inspection and Testing of Product.** Certain parts of the Product may be tested upon receipt by Barr Marine. Such parts of the Product found to be free of defects in Barr Marine's sole opinion will be returned to the Customer at Customer's expense and no credit will be issued to the Customer. Barr Marine reserves the right to retrieve run time/run condition data from a Product's Electric Control Module prior to granting any warranty coverage on the Product under this Limited Product Warranty.

6. **Warranty Period.** Warranty coverage shall be provided only for the periods of time hereinafter set forth for the Product:

- (i) A period of twenty-four (24) months commencing from the date of purchase or the date of commencement of the Product use, whichever sooner occurs, in the case of non-commercial use;
- (ii) A period of three (3) months commencing from the date of purchase or the date of commencement of the Product use, whichever sooner occurs, in the case of commercial use.

In the event that more than one warranty time period may be applicable to a particular Product pursuant to this Section 6, the shorter period of time shall apply and shall be the only warranty time period allowed for that Product. The repair or replacement of parts or the performance of service under this Limited Product Warranty does not extend the applicable period of this warranty beyond its original expiration date as set forth herein.

7. **Procedure.** Within 10 days from the date of purchase by the original retail purchaser of the Product, the Customer shall complete and deliver the Barr Marine Warranty Registration Card to Barr Marine; or Indmar Products Co. If the Barr Marine Warranty Registration Card is not completed and delivered as set forth herein the Product will be excluded from all warranties set forth herein. In addition to other requirements set forth herein, no warranty claim will be honored without Barr Marine's prior timely receipt of a completed Barr Marine Warranty Registration Card. In the case of a warranty transfer to a subsequent owner, the new owner's information along with a check for \$50.00 made payable to "Barr Marine Warranty Transfer" must be sent to Barr Marine within 10 days of the transfer. No transfer shall be effective or valid unless and until approved by Barr Marine in its sole discretion. For warranty claims to be asserted hereunder, the Product or defective part thereof, together with a written notice of itemized defects must be returned to the retailer from whom the Product was purchased or to any other convenient Barr Marine authorized dealer. To obtain the location of an authorized Barr Marine dealer or service center in your area, write to Barr Marine requesting such information or visit www.barrmarine.net. In the event that the local authorized Barr Marine dealer is unable to remedy a warranted defect in the Product, the Product or defective part thereof, together with a written notice of itemized defects, must be delivered to Barr Marine at 100 Douglas Way, P.O. Box 190, Natural Bridge Station, Virginia 24579 with any and all freight and insurance charges prepaid. All insurance and freight charges and return charges incurred by Barr Marine for delivery of the Product (or its new or rebuilt replacement) to the retail purchaser shall be paid by such purchaser. The Customer shall be solely responsible for any and all labor expenses related to the repair or replacement of a Product pursuant to this Limited Product Warranty that exceed the specified services rates of Barr Marine in effect at the date of purchase. A schedule of service rates of Barr Marine may be obtained from any authorized Barr Marine dealer.

8. **Trade Accessories.** Barr Marine makes no warranty of any character with respect to any and all trade accessories not manufactured by Barr Marine or not installed by Barr Marine or pursuant to Barr Marine's written authority.

9. **Voiding the Warranty.** In addition to any requirement set forth in this Limited Product Warranty not being met or satisfied, this Limited Product Warranty shall become void and shall not apply under the following conditions or circumstances:

- (a) When the Product or any part thereof is subject to accident, alternation, modifications, abuse, misuse, neglect or improper maintenance in Barr Marine's sole determination;
- (b) When the Product is serviced by any individual or entity not authorized or approved in writing by Barr Marine; or
- (c) When damage to the Product results from cases not arising from defects in material and/or workmanship in Barr Marine's sole determination.

10. **Notices.** Any notice to Barr Marine set forth pursuant to this Limited Product Warranty shall be delivered to the following address:

Barr Marine by EDM
100 Douglas Way
P.O. Box 190
Natural Bridge Station, VA 24579

11. **Warranty Claims Made Outside the United States.** In the event that Barr Marine fulfills a warranty claim outside the United States pursuant to this Limited Product Warranty, the Customer shall be solely responsible for any and all additional charges which Barr Marine may incur in order to fulfill its warranty obligations outside the United States. Barr Marine will not provide warranty coverage on any Product sold outside the United States unless the warranty work or service is performed by a marine technician certified by a major inboard or sterndrive marine engine manufacturer approved and authorized in writing by Barr Marine.

12. **Limitation.** THE WARRANTY STATED ABOVE IS A LIMITED WARRANTY AND IT IS THE ONLY WARRANTY MADE BY BARR MARINE. BARR MARINE DOES NOT MAKE ANY OTHER WARRANTIES EXPRESS OR IMPLIED. THERE ARE EXPRESSLY EXCLUDED ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. BARR MARINE SHALL HAVE NO LIABILITY WITH RESPECT TO ITS OBLIGATIONS UNDER THIS LIMITED WARRANTY OR OTHERWISE FOR CONSEQUENTIAL, EXEMPLARY, INCIDENTAL OR PUNITIVE DAMAGES EVEN IF IT HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE STATED EXPRESS LIMITED WARRANTY IS IN LIEU OF ALL LIABILITIES OR OBLIGATIONS OF BARR MARINE FOR DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE DEVELOPMENT, DELIVERY, USE OR PERFORMANCE OF THE PRODUCT. IN ANY EVENT, THE LIABILITY OF BARR MARINE FOR ANY REASON AND UPON ANY CAUSE OF ACTION WHATSOEVER SHALL BE LIMITED TO THE AMOUNT THEN PREVIOUSLY PAID FOR THE PRODUCT BY THE CUSTOMER.

BARR MARINE DOES NOT AUTHORIZE ANY PERSON, EMPLOYEE, AGENT, REPRESENTATIVE OR ENTITY TO ALTER ANY OF THE TERMS AND CONDITIONS OF THIS LIMITED PRODUCT WARRANTY OR CREATE ANY OTHER OBLIGATION RELATING TO THE PRODUCT. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

NOTICE TO CALIFORNIA CUSTOMERS: CALIFORNIA CUSTOMERS MUST DIRECTLY NOTIFY BARR MARINE IN WRITING IF THE PRODUCT DOES NOT CONFORM TO APPLICABLE WARRANTIES AND (A) THE NON-CONFORMITY IS LIKELY TO CAUSE DEATH OR SERIOUS BODILY INJURY AND HAS BEEN SUBJECT TO REPAIR TWO (2) OR MORE TIMES, AND/OR (B) THE NON-CONFORMITY HAS BEEN SUBJECT TO REPAIR FOUR (4) OR MORE TIMES. CALIFORNIA CUSTOMERS ARE HEREBY NOTIFIED TO THE FOLLOWING PROVISIONS OF CALIFORNIA LAW: CAL. CIVIL CODE § 1793.22 AND CAL. CIVIL CODE § 1793.2(d). COMPLETE COPIES OF THESE CODE SECTIONS ARE AVAILABLE UPON REQUEST.

Any/all litigation under this Warranty or arising out of the Product must be filed within the state of Virginia, County of Rockbridge.

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