

TO: SERVICE MANAGER  TECHNICIANS   
PARTS MANAGER

No. 95-5

## MerCruiser GM Engine Identification

### Models

All GM MerCruiser models 1974-UP.

### GM Engine Codes

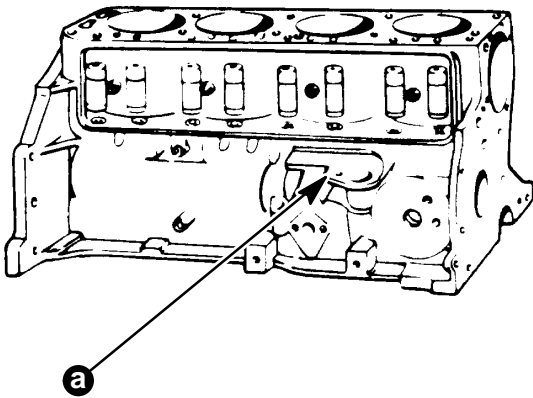
The model of MerCruiser engine can be determined by looking at the last letters of the engine code that is stamped into all complete long blocks. This engine code is stamped into the long block by GM at the time of assembly.

If the engine serial number, and/or model decals are missing, the engine code will help to determine the engine model. Refer to drawings for engine code location.

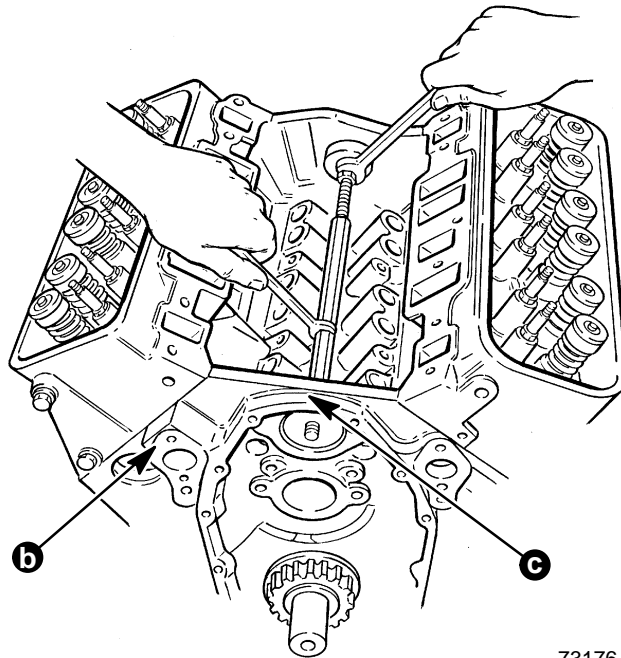
Information you need from the engine code, example V01115MD.

5=GM s model year. In this case 1995, could also be 1985 or 1975.

MD=type of engine. A 350 cid V8, MerCruiser models 5.7L Bravo, 350 Mag, 350 Mag Tournament Ski.



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- a. 4 and 6 Cylinder Engines (Next to Distributor).
- b. V6 and V8 305, 350 cid, Gen V 454, 502 cid.
- c. V8 Mark IV 454, 502.

<b>Model</b>	<b>GM Code</b>	<b>Comments</b>	<b>Flywheel Diameter in. (mm)</b>
<b>GM V8 305 &amp; 350 cid Stern Drive Engines (All Are LH Rotation).</b>			
120	NB	153 cid, 1974-1986.	12-3/4 (324)
140	RA	181 cid, 1974-1986.	12-3/4 (324)
2.5L	NB	153 cid, 1987-1989.	12-3/4 (324)
3.0L	RS	181 cid, 1987, 130 hp.	12-3/4 (324)
3.0L	RA	181 cid, 1987-1989, 130 hp.	12-3/4 (324)
3.0L	RF	181 cid, 1989, 130 hp.	12-3/4 (324)
3.0L	RM	181 cid, 1990-1991, 115 hp, 2.5L cyl. head, start of 1 piece rear seal.	12-3/4 (324)
3.0L	RJ	181 cid, 1992-1994, 115 hp, 2.5L cyl. head.	12-3/4 (324)
3.0LX	RN	181 cid, 1990-1991, start of 1 piece rear seal.	12-3/4 (324)
3.0LX	RK	181 cid, 1992-UP.	12-3/4 (324)
165	SD	250 cid, 1974-1980, 6 Cylinder.	12-3/4 (324)
<b>GM V6 Engines (All Are LH Rotation).</b>			
185	JK	229 cid, 1983-1984.	12-3/4 (324)
4.3L	XXG	262 cid, 1985-1992, special service long block for engines with mechanical fuel pump. No intake, flywheel or balancer on long block. Can be used on 2 or 4 bbl engines.	
185	4KD	262 cid, 1985.	12-3/4 (324)
185	5KW	262 cid, 1985, start of 14 in. flywheel.	14 (356)
185	6KW	262 cid, 1986, start of 1 piece rear seal.	14 (356)
175	KP	262 cid, 1987, start of roller lifter/cam engine.	14 (356)
4.3L	KP	262 cid, 1988-1992.	14 (356)
4.3L	2KP	262 cid, 1992-1993, start of electric fuel pump.	14 (356)
4.3L	3LJ	262 cid, 1993-UP, start of balance shaft engines.	14 (356)
205	4KJ	262 cid, 1985.	12-3/4 (324)
205	5KR	262 cid, 1985, start of 14 in. flywheel.	14 (356)
205	6KR	262 cid, 1986, start of 1 piece rear seal.	14 (356)
205	7KR	262 cid, 1987, start of roller lifter/cam engine.	14 (356)
4.3LX	KR	262 cid, 1988-1992.	14 (356)
4.3LX	2KR	262 cid, 1992-1993, start of electric fuel pump.	14 (356)
4.3LX7	3LK	262 cid, 1993-UP, start of balance shaft engines.	14 (356)
<b>GM V8 305 &amp; 350 cid Stern Drive Engines (All Are LH Rotation).</b>			
898	MN	305 cid, 1977-1980.	12-3/4 (324)
898	MX	305 cid, 1981.	12-3/4 (324)
898	MN	305 cid, 1982-1984.	12-3/4 (324)
200	MN	305 cid, 1985.	12-3/4 (324)
200	MY	305 cid, 1985, start of 14 in. flywheel.	14 (356)
200	PY	305 cid, 1986, start of full circle rear seal.	14 (356)
200	PC	305 cid, 1987, start of new cylinder heads.	14 (356)
5.0L Alpha	PC	305 cid, 1988-1990.	14 (356)
5.0L AI	ZC	305 cid, 1990-UP.	14 (356)
5.0L Bravo	ZC	305 cid, 1992-UP.	14 (356)

<b>Model</b>	<b>GM Code</b>	<b>Comments</b>	<b>Flywheel Diameter in. (mm)</b>
<b>GM V8 305 &amp; 350 cid Stern Drive Engines (All Are LH Rotation) Cont'd.</b>			
228	MJ	305 cid, 1977-1980.	12-3/4 (324)
228	MY	305 cid, 1981.	12-3/4 (324)
228	MJ	305 cid, 1982-1984.	12-3/4 (324)
230	MJ	305 cid, 1985.	12-3/4 (324)
230	MZ	305 cid, 1985, start of 14 in. flywheel.	14 (356)
230	PZ	305 cid, 1986, start of full circle rear seal.	14 (356)
230	PD	305 cid, 1987, start of new cylinder heads.	14 (356)
5.0LX	PD	305 cid, 1988-1990.	14 (356)
5.0LX	ZD	305 cid, 1990-UP.	14 (356)
250	WT	350 cid, 1977.	12-3/4 (324)
255	WH	350 cid, 1974-1976.	12-3/4 (324)
260	WT	350 cid, 1978-1980.	12-3/4 (324)
260	WS	350 cid, 1981.	12-3/4 (324)
260	WT	350 cid, 1982-1985.	12-3/4 (324)
260	WB	350 cid, 1985, start of 14 in. flywheel.	14 (356)
260	AB	350 cid, 1986, start of full circle rear seal.	14 (356)
260	7AB	350 cid, 1987, start of new cylinder heads.	14 (356)
5.7L Alpha	AB	350 cid, 1988-1990.	14 (356)
5.7L AI	MB	350 cid, 1990-UP.	14 (356)
5.7L AI EFI	MD	350 cid, 1994-UP, TBI, hi-rise intake, start of roller lifters.	14 (356)
5.7L Bravo	AS	350 cid, 1989-1990, start of hi-rise intake and new cylinder heads.	14 (356)
5.7L Br	MS	350 cid, 1990-1991.	14 (356)
5.7L Br	CD	350 cid, 1991-1993, start of roller lifters.	14 (356)
5.7L Br	MD	350 cid, 1993-UP.	14 (356)
5.7L Br EFI	MD	350 cid, 1994-UP, TBI, hi-rise intake, start of roller lifters.	14 (356)
5.7L Br EFI/MP	MH	350 cid, 1995-UP, Mercruiser multi-port EFI, start of roller lifters.	14 (356)
350 Mag Alpha	AB	350 cid, 1986-1987, start of full circle rear seal.	14 (356)
350 Mag AI	AS	350 cid, 1987-1990, start of new cylinder heads and hi-rise intake.	14 (356)
350 Mag AI	MS	350 cid, 1990-1991.	14 (356)
350 Mag AI	CD	350 cid, 1991-1993, start of roller lifters.	14 (356)
350 Mag AI	MD	350 cid, 1993-UP.	14 (356)
350 Mg Br EFI/MP	MH	350 cid, 1995-UP, Mercruiser multi-port EFI, start of roller lifters.	14 (356)

<b>Model</b>	<b>GM Code</b>	<b>Comments</b>	<b>Flywheel Diameter in. (mm)</b>	
<b>GM V8 454 &amp; 502 cid Stern Drive Engines (All Are LH Rotation).</b>				
330 TR/TRS	XS	454 cid, 1977-1981, Mercury transmission.	14	(356)
330 (B-W)	XY	454 cid, 1982-1987, TR/TRS, Borg-Warner trans.	14	(356)
454 Mag Alpha	XS	454 cid, 1986-1988.	14	(356)
454 Mag Bravo	XA	454 cid, 1988-1992, start of 4 bolt main and hi-rise intake.	14	(356)
454 Mag Br	2XA	454 cid, 1992-UP, start of Gen V.	14	(356)
454 Mag EFI/MP	UA	454 cid, 1994-UP, start of Gen V, Mercruiser multi-port EFI.	14	(356)
502 Mag	FJ	502 cid, 1990-1992, start of 4 bolt main and hi-rise intake.	14	(356)
502 Mag	2FJ	502 cid, 1992-UP, start of Gen V.	14	(356)
502 Mag EFI/MP	FJ	502 cid, 1993, start of Gen V, Mercruiser multi-port EFI.	14	(356)
502 Mag EFI/MP	HJ	502 cid, 1993-UP.	14	(356)
7.4L Mag Alpha	XS	454 cid, 1988.	14	(356)
7.4L Bravo	XW	454 cid, 1988-1992, start of 4 bolt main.	14	(356)
7.4L Br	1XW	454 cid, 1992, start of Gen V.	14	(356)
7.4L Br	XW	454 cid, 1993-UP.	14	(356)
7.4L PT Br 3	UW	454 cid, 1993, start of Gen V, 4 bolt main, cast pistons, hi-rise intake.	14	(356)
7.4L PT Br 3	UB	454 cid, 1993-1994, start of forged pistons.	14	(356)
7.4L PT Br 3	XX	454 cid, 1994-UP, start of new design cast pistons.	14	(356)
<b>GM V8 Hi-Performance Stern Drive Engines (All Are LH Rotation).</b>				
280	WK	350 cid, 1975-1976, 4 bolt mains.	12-3/4	(324)
300 Tempest	WK	350 cid, 1984-1985, start of 4 bolt mains.	12-3/4	(324)
300 Tempest	AK	350 cid, 1986, start of 14 in. flywheel and full circle rear seal.	14	(356)
HP320 EFI	AK	350 cid, 1987-1989, 4 bolt mains, Mercury Marine multi-port EFI.	12-3/4	(324)
370	XF	454 cid, 1979-1986, start of 4 bolt mains, hi-rise intake.	14	(356)
370	HF	454 cid, 1986-1987, start of new lifter, camshaft, oil pump.	14	(356)
400 Series	XF	454 cid, 1978, 4 bolt mains, hi-rise intake.	14	(356)
400 Cyclone	XF	454 cid, 1980-1986, 4 bolt mains, hi-rise intake.	14	(356)
HP420	HF	454 cid, 1987, 4 bolt mains, hi-rise intake.	14	(356)
HP420	XF	454 cid, 1987-1989, 4 bolt mains, hi-rise intake.	14	(356)
HP425	XF	454 cid, 1990-1993, 4 bolt mains, hi-rise intake.	14	(356)
HP425	UA	454 cid, 1993, start of Gen V.	14	(356)
440 Cyclone	XF	454 cid, 1983-1986, 4 bolt mains, hi-rise intake.	14	(356)
HP450	UA	454 cid, 1995-UP, start of Gen V, hi-rise intake.	14	(356)
460 Cyclone	XF	482 cid, 1983-1986, 4 bolt mains, hi-rise intake.	14	(356)

<b>Model</b>	<b>GM Code</b>	<b>Comments</b>	<b>Flywheel Diameter in. (mm)</b>	
<b>GM V8 Hi-Performance Stern Drive Engines (All Are LH Rotation) Cont'd.</b>				
HP465	FJ	502 cid, 1990-1992, start of 4 bolt main, hi-rise intake.	14	(356)
HP465	2FJ	502 cid, 1992-1994, start of Gen V.	14	(356)
475 Turbo	XF	454 cid, 1981-1985, 4 bolt mains, turbo charged.	14	(356)
HP500	HJ	502 cid, 1994-UP, start of Gen V, 4 bolt mains, hi-rise intake.	14	(356)
HP500	None	540 cid, 1990-UP, tall deck block, 4 bolt mains, "bull dog" engine.	14	(356)
HP525 SC	XF	454 cid, 1991-1993, start of 4 bolt main, hi-rise intake.	14	(356)
HP525 SC	UA	454 cid, 1993-UP, start of Gen V.	14	(356)
HP575	None	540 cid, 1986-1992, tall deck block.	14	(356)
HP600 SC	FJ	502 cid, 1991-1992, start of 4 bolt main.	14	(356)
HP600 SC	2FJ	502 cid, 1992-1993, start of Gen V.	14	(356)
HP600 SC	HJ	502 cid, 1993-UP.	14	(356)
HP800 SC	None	572 cid, 1991-UP, tall deck block, 4 bolt mains.	14	(356)
<b>GM V8 Ski Inboard Engines.</b>				
5.7L Comp Ski	WB	LH, 350 cid, 1985, start of 14 in. flywheel.	14	(356)
5.7L Comp Ski	WR	RH, 350 cid, 1985, start of 14 in. flywheel.	14	(356)
5.7L Comp Ski	AB	LH, 350 cid, 1986, start of full circle rear seal.	14	(356)
5.7L Comp Ski	AR	RH, 350 cid, 1986, start of full circle rear seal.	14	(356)
5.7L Comp Ski	7AB	LH, 350 cid, 1987-1990, start of new cylinder heads.	14	(356)
5.7L Comp Ski	7AR	RH, 350 cid, 1987-1990, start of new cylinder heads.	14	(356)
5.7L Comp Ski	MB	LH, 350 cid, 1990-UP.	14	(356)
5.7L Comp Ski	MR	RH, 350 cid, 1990-1993.	14	(356)
5.7L Comp Ski	NR	RH, 350 cid, 1993-UP.	14	(356)
350 Mag Ski	CD	LH, 350 cid, 1992-1993, start of roller lifters/cam and hi-rise intake.	14	(356)
350 Mag Ski	MD	LH, 350 cid, 1993-UP.	14	(356)
350 Mg Ski EFI	MD	LH, 350 cid, 1994-UP, TBI and hi-rise intake.	14	(356)
350 Mg EFI/MP	MH	LH, 350 cid, 1995-UP, Mercruiser multi-port EFI.	14	(356)
454 Mg EFI/MP	UA	LH, 454 cid, 1994-UP, start of Gen V and Mercruiser multi-port EFI.	14	(356)

<b>Model</b>	<b>GM Code</b>	<b>Comments</b>	<b>Flywheel Diameter in. (mm)</b>	
<b>GM V8 305 &amp; 350 cid Bluewater Inboard Engines.</b>				
198	MR	LH, 305 cid, 1977.	14	(356)
198	MS	RH, 305 cid, 1977.	14	(356)
228	MA	LH, 305 cid, 1977-1980.	14	(356)
228	MB	RH, 305 cid, 1977-1980.	14	(356)
230	MA	LH, 305 cid, 1981-1985.	14	(356)
230	MB	RH, 305 cid, 1981-1985.	14	(356)
230	PA	LH, 305 cid, 1986, start of full circle rear seal.	14	(356)
230	PB	RH, 305 cid, 1986, start of full circle rear seal.	14	(356)
230	7PF	LH, 305 cid, 1987, start of new cylinder heads.	14	(356)
230	7PH	RH, 305 cid, 1987, start of new cylinder heads.	14	(356)
5.0L	PF	LH, 305 cid, 1988.	14	(356)
5.0L	PH	RH, 305 cid, 1988.	14	(356)
255	WH	LH, 350 cid, 1975	14	(356)
255	WJ	RH, 350 cid, 1975	14	(356)
255	WN	LH, 350 cid, 1976-1980	14	(356)
255	WR	RH, 350 cid, 1976-1980	14	(356)
260	WN	LH, 350 cid, 1981-1985	14	(356)
260	WR	RH, 350 cid, 1981-1985	14	(356)
260	6AN	LH, 350 cid, 1986, start of full circle rear seal.	14	(356)
260	6AR	RH, 350 cid, 1986, start of full circle rear seal.	14	(356)
260	7AN	LH, 350 cid, 1987, start of new cylinder heads.	14	(356)
260	7AR	RH, 350 cid, 1987, start of new cylinder heads.	14	(356)
5.7L	AN	LH, 350 cid, 1988-1990.	14	(356)
5.7L	AR	RH, 350 cid, 1987-1990.	14	(356)
5.7L	MN	LH, 350 cid, 1991-1993.	14	(356)
5.7L	MR	RH, 350 cid, 1991-1993.	14	(356)
5.7L	NN	LH, 350 cid, 1993-UP.	14	(356)
5.7L	NR	RH, 350 cid, 1993-UP.	14	(356)
<b>GM V8 454 &amp; 502 cid Bluewater Inboard Engines.</b>				
330	XN	LH, 454 cid, 1977-1979.	14	(356)
330	XR	RH, 454 cid, 1977-1979.	14	(356)
330	XY	LH, 454 cid, 1980.	14	(356)
330	XZ	RH, 454 cid, 1980.	14	(356)
340	XY	LH, 454 cid, 1981-1984.	14	(356)
340	XZ	RH, 454 cid, 1981-1984.	14	(356)
340	XYY	LH, 454 cid, 1985.	14	(356)
340	XZZ	RH, 454 cid, 1985.	14	(356)
340	XY	LH, 454 cid, 1985-1987.	14	(356)
340	XZ	RH, 454 cid, 1985-1987.	14	(356)
350	XB	LH, 454 cid, 1974-1976.	14	(356)
350	XC	RH, 454 cid, 1974-1976.	14	(356)

<b>Model</b>	<b>GM Code</b>	<b>Comments</b>	<b>Flywheel Diameter in. (mm)</b>	
<b>GM V8 454 &amp; 502 cid Bluewater Inboard Engines Cont'd.</b>				
7.4L	XY	LH, 454 cid, 1988-1989. (T05209XY or XZ, start	14	(356)
7.4L	XZ	RH, 454 cid, 1988-1989. of 4 Bolt Mains)	14	(356)
7.4L	XY	LH, 454 cid, 1989-1992.	14	(356)
7.4L	XZ	RH, 454 cid, 1989-1992.	14	(356)
7.4L	XR	RH, 454 cid, 1992.	14	(356)
7.4L	2XY	LH, 454 cid, 1992-UP, start of Gen V.	14	(356)
7.4L EFI/MP	UD	LH, 454 cid, 1995-UP, start of Gen V and Mercruiser multi-port EFI.	14	(356)
8.2L	FH	LH, 502 cid, 1990-1993.	14	(356)
8.2L	3FH	LH, 502 cid, 1993-UP, start of Gen V.	14	(356)