



STERN DRIVES/INBOARD ENGINES

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Subject: A. MCM/MIE CARBURETOR SPECIFICATIONS  
- LATER MODEL ENGINES

CIRCULATE TO:  
SERVICE MANAGER  
PARTS MANAGER  
MECHANICS

## A. MCM/MIE CARBURETOR SPECIFICATIONS - LATER MODEL ENGINES

The following specifications are only for the carburetors listed in this service bulletin. All earlier model engine carburetor specifications are given in the MerCruiser Service Manual.

### 2 BARREL CARBURETOR SPECIFICATIONS

All Measurements are  $\pm 1/64"$  (0.4mm)

Engine Model (NOTE 1)	MCM 120	MCM 140	MCM 165	MIE/MCM 470 & MCM 485	MCM 898 & MIE 198
Make and Model	Rochester 2GC	Rochester 2GC	Rochester 2GC	Rochester 2GV	Rochester 2GV
Carb. Number Manufacturer/ Mercury Marine	17059054/1351-7354 17081060/1351-8480	17059052/1351-7355 17081060/1351-8480	17059050/ 1351-7356	17057132/ 1376-5990	17057139/1376-6491 17080350/1376-8295
Float Level	21/32" (16.7mm)	21/32" (16.7mm)	21/32" (16.7mm)	11/16" (17.5mm)	19/32" (15.1mm)
Float Drop (NOTE 2)	1-3/4" (44.5mm)	1-3/4" (44.5mm)	1-3/4" (44.5mm)	1-3/4" (44.5mm) (NOTE 3)	1-3/4" (44.5mm)
Pump Rod	7/8" (22.2mm)	7/8" (22.2mm)	15/16" (23.8mm)	1-5/32" (29.4mm)	1-5/32" (29.4mm)
Choke Setting	Index Marks Aligned	Index Marks Aligned	Index Marks Aligned	Index Marks Aligned	Index Marks Aligned
Choke Unloader	.080" [5/64" (2.0mm)]	.080" [5/64" (2.0mm)]	.080" [5/64" (2.0mm)]	.080" [5/64" (2.0mm)]	.080" [5/64" (2.0mm)]
Idle Mixture Screw Prelimi- nary Setting	1-1/4 Turns	1-1/4 Turns	1-1/4 Turns	1-1/4 Turns	1-1/4 Turns

#### NOTES:

- 1) "MCM" Denotes Stern Drive Model; "MIE" Denotes Inboard Model
- 2) Float Drop Measured From Air Horn (With Gasket In Place) to Bottom - Most Part of Float. THIS IS DIFFERENT THAN OLD METHOD.
- 3) Fuel Inlet Needle Is Spring Loaded. Before Checking Float Level, Raise Float and Allow It to Fall By Its Own DO NOT FORCE FLOAT DOWNWARD BY HAND. Check and Adjust Float Level Using Existing Procedure.

(OVER)

### 4-BARREL CARBURETOR SPECIFICATIONS

**All Measurements Are  $\pm 1/64"$  (0.4mm)**

Engine Model (NOTE: 1)	MCM 228	MIE 228	MIE 230	MIE 255	MCM 260	MIE 260	MCM 330	MIE 330	MIE 340	MCM 370 & 400
Make & Model	Rochester 4MV	Rochester 4MV	Rochester 4MV	Rochester 4MV	Rochester 4MV	Rochester 4MV	Rochester 4MV	Rochester 4MV	Rochester 4MV	Rochester 4MV
Carb. Number	17059292/ 1347-7361	17059291/ 1347-7364	17080564/ 1347-8290	17059289/ 1347-7365	17059288/ 1347-7362	17080562/ 1347-8289	17059290/ 1347-7363	17059287/ 1347-7366	17080560/ 1347-8288	17059288/ 1347-7498
Manufacturer/ Mercury Marine	17080565/ 1347-8296	17080564/ 1347-8290		17080562/ 1347-8289	17080561/ 1347-8292		17080563/ 1347-8291	17080560/ 1347-8288		17059280/ 1347-7498
Float Level	15/64" (5.9mm)	15/64" (5.9mm)	15/64" (5.9mm)	15/64" (5.9mm)	15/64" (5.9mm)	15/64" (5.9mm)	15/64" (5.9mm)	15/64" (5.9mm)	15/64" (5.9mm)	15/64" (5.9mm)
Pump Rod Hole Location	Inner	Inner	Inner	Inner	Inner	Inner	Inner	Inner	Inner	Inner
Accelerator Pump (NOTE: 2)	23/64" (9.1mm)	23/64" (9.1mm)	23/64" (9.1mm)	23/64" (9.1mm)	23/64" (9.1mm)	23.64" (9.1mm)	23/64" (9.1mm)	23/64" (9.1mm)	23/64" (9.1mm)	23/64" (9.1mm)
Air Valve Dash Pot (Air Valve Rod)	.025" (.64mm)	.025" (.64mm)	.025" (.64mm)	.025" (.64mm)	.025" (.64mm)	.025" (.64mm)	.025" (.64mm)	.025" (.64mm)	.025" (.64mm)	.025" (.64mm)
Vacuum Break	.080" [5/64" (2.0mm)]	.080" [5/64" (2.0mm)]	.080" [5/64" (2.0mm)]	.080" [5/64" (2.0mm)]	.080" [5/64" (2.0mm)]	.080" [5/64" (2.0mm)]	.080" [5/64" (2.0mm)]	.080" [5/64" (2.0mm)]	.080" [5/64" (2.0mm)]	.080" [5/64" (2.0mm)]
Air Valve Spring Wind Up	3/8 Turn	3/8 Turn	3/8 Turn	3/8 Turn	1/2 Turn	3/8 Turn	1/2 Turn	3/4 Turn	3/4 Turn	17059288- 1/2 Turn 17059280- 5/8 Turn
Choke Coil Rod (NOTE: 3)	Top of Rod Even With Bottom of Hole	Top of Rod Even With Bottom of Hole	Top of Rod Even With Bottom of Hole	Top of Rod Even With Bottom of Hole	Top of Rod Even With Bottom of Hole	Top of Rod Even With Bottom of Hole	Top of Rod Even With Bottom of Hole	Top of Rod Even With Bottom of Hole	Top of Rod Even With Bottom of Hole	Top of Rod Even With Bottom of Hole
Idle Mixture Screw Preliminary Setting	2-3 Turns	2-3 Turns	2-3 Turns	2-3 Turns	2-3 Turns	2-3 Turns	2-3 Turns	2-3 Turns	2-3 Turns	2-3 Turns

**NOTES:**

- 1) "MCM" Denotes Stern Drive Model; "MIE Denotes Inboard Model
- 2) Accelerator Pump Measurement Taken From Flame Arrestor Mounting Surface to Pump Stem With Throttle Plates Fully Closed. THIS IS DIFFERENT THAN PREVIOUS METHOD.
- 3) Choke Coil Rod Adjustment Performed With Choke Valve Completely Closed. Choke Rod In Bottom of Choke Lever Slot and Choke Coil Rod Pushed Down to End of Travel. THIS DIFFERS FROM PRIOR METHOD.