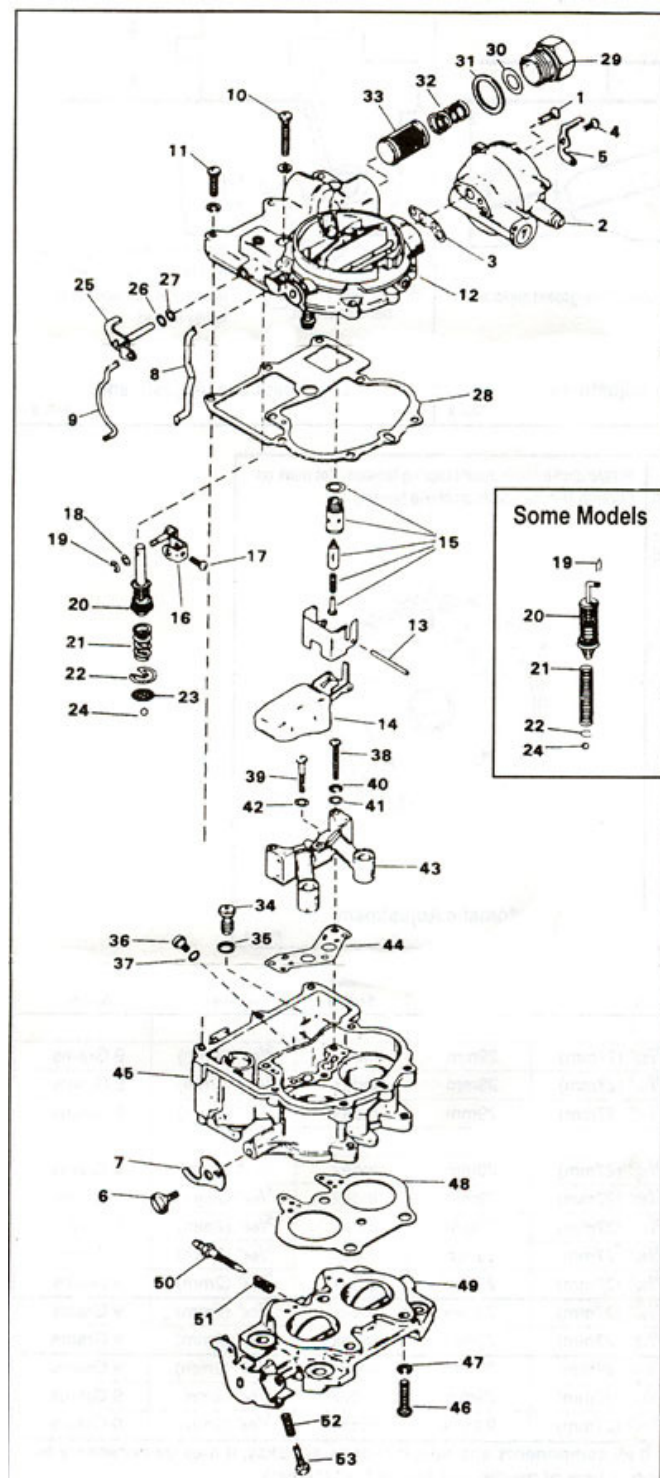


## INSTRUCTION SHEET

### Mercarb Two-Barrel

#### General Exploded View

The general design and parts shown will vary to individual units covered on this instruction sheet.



#### Disassembly

Use the exploded view as a guide. The numerical sequence may generally be followed to disassemble unit far enough to permit cleaning and inspection.

#### Nomenclature

##### Ref.No.

1. Screw, Choke Housing
2. Choke Housing Assembly
3. Gasket, Choke Housing
4. Screw, Choke Lever
5. Lever
6. Screw, Fast Idle Cam
7. Fast Idle Cam
8. Choke Rod
9. Pump Rod
10. Screw, Bowl Cover (Long)
11. Screw, Bowl Cover (Short)
12. Bowl Cover Assembly
13. Pin, Float
14. Float
15. Needle & Seat Assembly
16. Pump Shaft & Lever Assembly
17. Screw, Pump Shaft Assembly
18. Washer, Pump Shaft
19. Retainer, Pump Shaft
20. Accelerator Pump Assembly
21. Spring, Pump Assembly
22. Retainer, Spring
23. Strainer
24. Check Ball
25. Accelerator Pump Lever
26. Washer, Inner
27. Washer, Outer

##### Ref.No.

28. Gasket, Bowl Cover
29. Fitting, Fuel Inlet
30. Gasket, Fuel Inlet
31. Gasket, Fuel Inlet
32. Spring, Fuel Filter
33. Filter
34. Power Valve Assembly
35. Gasket, Power Valve
36. Jet
37. Gasket, Jet
38. Screw, Venturi Assembly
39. Screw, Venturi Center
40. Lockwasher
41. Gasket
42. Gasket
43. Venturi Cluster
44. Gasket, Venturi Cluster
45. Flat Bowl Assembly
46. Screw, Throttle Body
47. Lockwasher
48. Gasket, Throttle Body
49. Throttle Body
50. Needle, Idle Mixture Adjusting
51. Spring, Idle Mixture Screw
52. Screw, Idle Speed Adjusting
53. Spring, Idle Speed Screw

#### Cleaning

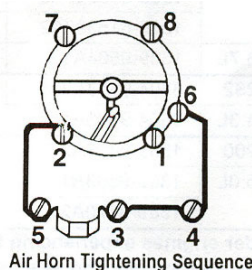
Cleaning must be done with carburetor disassembled. Use a carburetor cleaning solvent to soak parts long enough to soften and remove all foreign material. Make certain the throttle bores are free of all carbon and varnish deposits. Rinse off in suitable solvent. Blow out all passages in castings with compressed air and check carefully to ensure thorough cleaning of obscure areas.

#### Reassembly

Reassemble in reverse order of disassembly. Note special instructions and follow numerical outline in making adjustments necessary for carburetor being serviced.

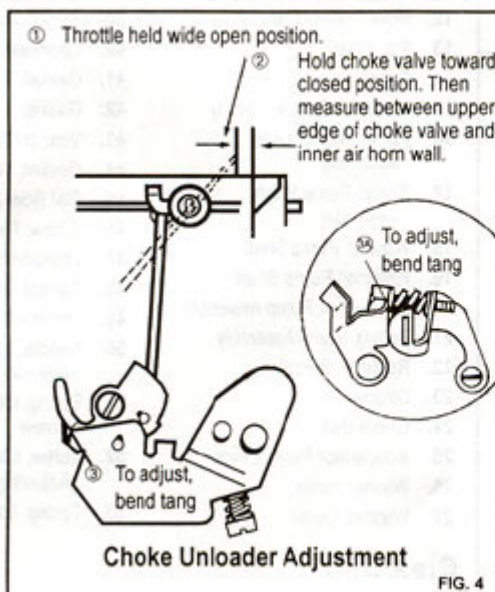
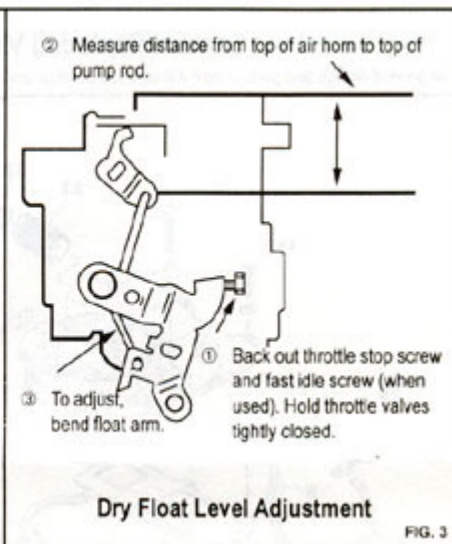
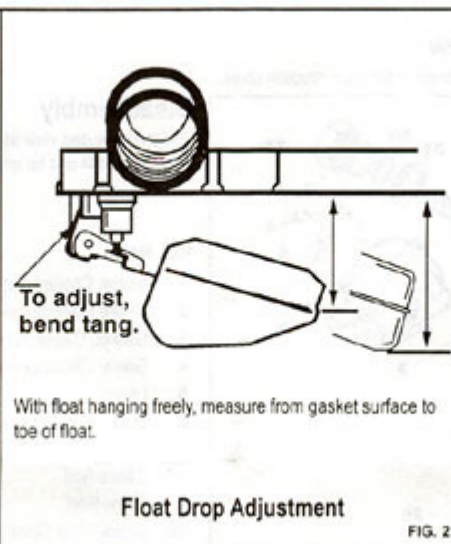
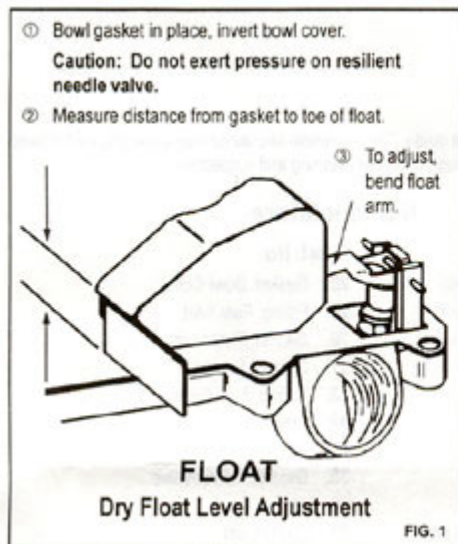
#### Special Instructions

Idle adjusting needles: Turn each needle in lightly until seated, then back out two turns. **(Do not install idle limiter caps at this time.)**



## ADJUSTMENTS

See data table for measurements



Cyl.	Model/Engine	Carburetor Number	Float Level	Float Drop	Pump Rod	Choke Setting	Choke Unloader	Float Weight
4	MCM 120/140	1389-8490A2						
		Spring – Needle	9/16" (14mm)	1 3/32" (27mm)	29mm	Index	5/64" (2mm)	9 Grams
		Solid – Needle	3/8" (10mm)	1 3/32" (27mm)	29mm	Index	5/64" (2mm)	9 Grams
	MCM 470-170	1389-8489A5	3/8" (10mm)	1 3/32" (27mm)	29mm	Index	5/64" (2mm)	9 Grams
	MCM 2.5L/3.0L	1389-9562A1						
		Spring – Needle	9/16" (14mm)	1 3/32" (27mm)	29mm	Index	5/64" (2mm)	9 Grams
		Solid – Needle	3/8" (10mm)	1 3/32" (27mm)	29mm	Index	5/64" (2mm)	9 Grams
		1389-815396A2	3/8" (10mm)	1 3/32" (27mm)	29mm	Index	5/64" (2mm)	9 Grams
		1389-815397A2	3/8" (10mm)	1 3/32" (27mm)	29mm	Index	5/64" (2mm)	9 Grams
		1389-8564A1	3/8" (10mm)	1 3/32" (27mm)	29mm	Index	5/64" (2mm)	9 Grams
6	MCM 165/3.7L	3304-9353A2	3/8" (10mm)	1 3/32" (27mm)	29mm	Index	5/64" (2mm)	9 Grams
	MCM 175/4.3L	3304-9564A1	3/8" (10mm)	1 3/32" (27mm)	29mm	Index	5/64" (2mm)	9 Grams
	MCM 898/200	1389-8488A2	3/8" (10mm)	1 3/32" (27mm)	29mm	Index	5/64" (2mm)	9 Grams
8	MCM 200/5.0L	1389-9563A1	3/8" (10mm)	1 3/32" (27mm)	29mm	Index	5/64" (2mm)	9 Grams
		1389-9670A2	3/8" (10mm)	1 3/32" (27mm)	29mm	Index	5/64" (2mm)	9 Grams

**Note:** On four cylinder engines experiencing flooding or rough idle, if all components and specifications are okay, it may be necessary to change to the spring – loaded needle and seat assembly. Float level for this type of needle and seat is 9/16" (14mm).