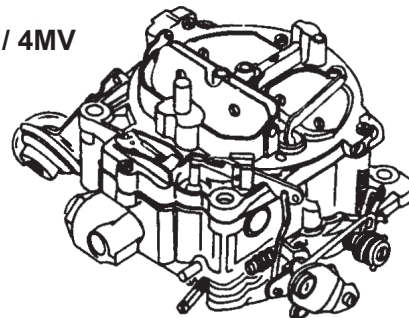


Instruction Sheet

ROCHESTER CARBURETOR - MODELS 4MC / 4MV

GENERAL EXPLODED VIEW

THE GENERAL DESIGN AND PARTS SHOWN WILL VARY TO INDIVIDUAL UNITS COVERED ON THIS INSTRUCTION SHEET



DISASSEMBLY

Use exploded view as a guide. The numerical sequence may generally be followed to disassemble unit far enough to permit cleaning and inspection. Note: Removing bowl cover (16) (Gasket (21) stays on bowl) Lifting straight up being careful not to bend air bleed tubes which are permanently installed in bowl cover. Air valves, air valve shaft and secondary metering rod hanger are calibrated and should not be removed. Removing power piston (22) and metering rods (23) pull straight up on metering rod hanger. A slight resistance will be felt. Power piston (22) has a holding clip to keep assembly in place for easier assembly. Inlet needle seat used with No. 31 needle and all secondary metering discs are factory staked and should not be removed.

(See NOMENCLATURE on Page 2)

CLEANING

Cleaning must be done with carburetor disassembled. Soak parts long enough to soften and remove all foreign material. Use (1) a carburetor cleaning solvent, (2) Lacquer thinner or (3) denatured alcohol. Make certain the throttle bores are free of all carbon deposits. Rinse off in suitable solvent. Blow out all passages in castings with compressed air and check carefully to insure thorough cleaning of obscure areas. Caution: Do not soak rubber or plastic parts in solvent. (Float (27) Vac break units (46) (56) Dashpot piston (17) Pumps (19) Bowl vent (7).)

REASSEMBLY

Reassemble in reverse order of disassembly. Note special instructions and follow numerical outline in making adjustments. See other side.

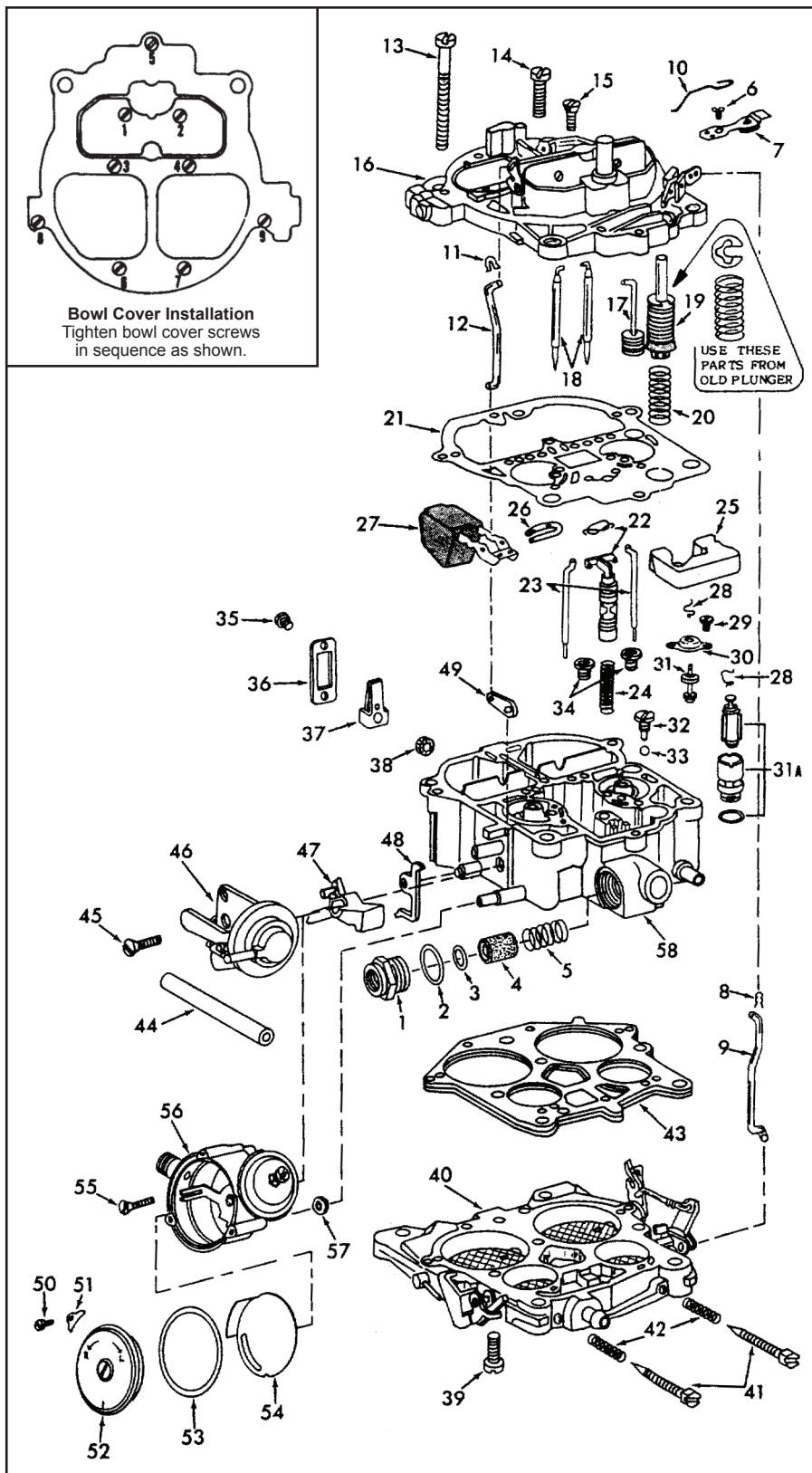
SPECIAL INSTRUCTIONS

Vacuum break control and bracket assy. (46) or vac. unit (56) installation. Be sure fast idle cam (47), secondary lockout lever (48) when used, and gasket (57) when used, and intermediate choke lever (49) are in proper place before tightening screw (45) or (55).

Idle adjusting needles (41). Turn each needle in to seat lightly and then back out 3-4 turns.

Power piston and metering rod installation. Be careful to properly position metering rods in metering jets. Press firmly down on power piston to insure either engagement of retaining pin in throttle body gasket or proper positioning of spring clip used on pistons in some models.

Bowl cover installation. Carefully position secondary metering rods and vent tubes through air horn gasket. (Do not force.) Possible damage to secondary metering disc, use slight sideward movement to center rods in jets.



NOMENCLATURE

Ref. No.	Ref. No.	Ref. No.
1. FILTER NUT – FUEL INLET	21. GASKET – AIR HORN	40. THROTTLE BODY ASSY.
2. GASKET – FILTER NUT	22. POWER PISTON ASSY. – PRI.	41. NEEDLES – IDLE ADJ. (2)
3. GASKET – FUEL FILTER	23. METERING RODS – PRI. (2)	42. SPRINGS – IDLE ADJ. NEEDLE (2)
4. FILTER – FUEL INLET	24. SPRING – POWER PISTON	43. GASKET – THROTTLE BODY
5. SPRING – FUEL FILTER	25. INSERT – FLOAT BOWL	44. HOSE – VACUUM 4MV
6. SCREW – IDLE VENT VALVE	26. HINGE PIN – FLOAT	45. SCREW – VACUUM BREAK CONTROL BRACKET ATTACHING
7. VALVE – IDLE VENT	27. FLOAT & LEVER ASSY.	46. VACUUM BREAK CONTROL & BRACKET ASSY. 4MV
8. RETAINER – PUMP ROD	28. PULL CLIP – FLOAT NEEDLE	47. CAM – FAST IDLE
9. ROD – PUMP	29. SCREW – NEEDLE DIAPHRAGM RETAINER (2)	48. LEVER – SEC. LOCKOUT 4MV
10. LEVER – IDLE VENT VALVE	30. RETAINER – NEEDLE DIAPH.	49. LEVER – INTERMEDIATE CHOKE
11. RETAINER – CHOKE ROD	31. NEEDLE & DIAPHRAGM ASSY.	50. SCREW – STAT RETAINER (3) 4MC
12. ROD – CHOKE	31A. NEEDLE, SEAT, GASKET ASSY.	51. RETAINERS – STAT COVER (3) 4MC
13. SCREW – AIR HORN (4)	32. PLUNGE – PUMP DISC. BALL	52. STAT COVER & SPRING ASSY. 4MC
14. SCREW – AIR HORN (3)	33. BALL – PUMP DISCHARGE	53. GASKET – STAT COVER 4MC
15. SCREW – AIR HORN (2)	34. JETS – PRIMARY (2)	54. PLATE – CHOKE BAFFLE 4MC
16. BOWL COVER ASSY.	35. SCREW – IDLE COMPENSATOR COVER (2)	55. SCREW – STAT HOUSING ATT.
17. DASHPOT PISTON ROD ASSY. 1965-66	36. COVER – IDLE COMPENSATOR	56. HOUSING – CHOKE & VACUUM BREAK ASSY. 4MC
18. METERING RODS – SEC. (2)	37. IDLE COMPENSATOR ASSY.	57. GASKET – CHOKE HOUSING 4MC
19. PUMP ASSY.	38. GASKET – IDLE COMPENSATOR	58. BOWL ASSY. - FLOAT
20. SPRING – PUMP RETURN	39. SCREW – THROTTLE BODY (3)	

ADJUSTMENTS

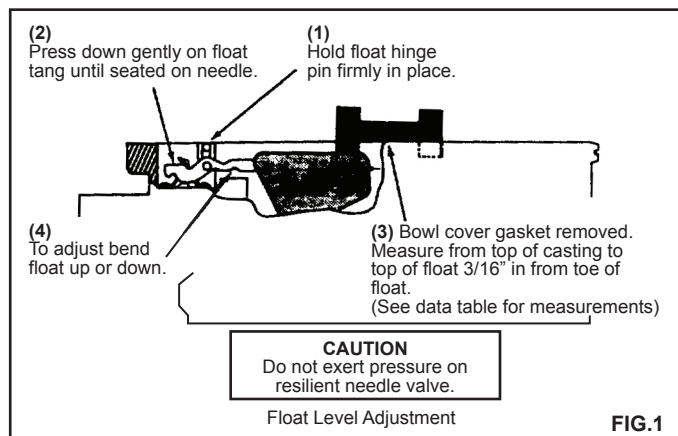


FIG.1

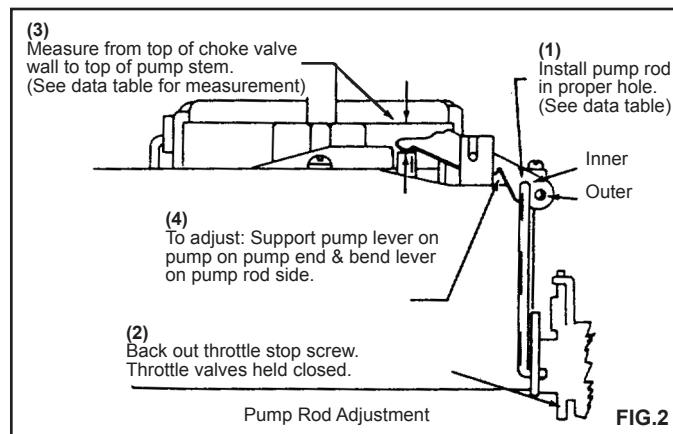


FIG.2

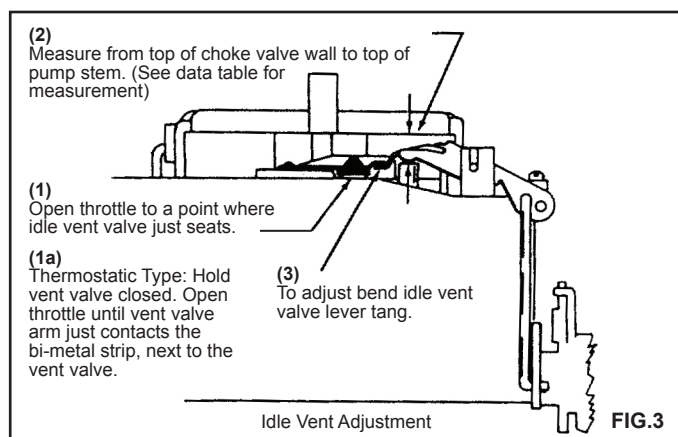


FIG.3

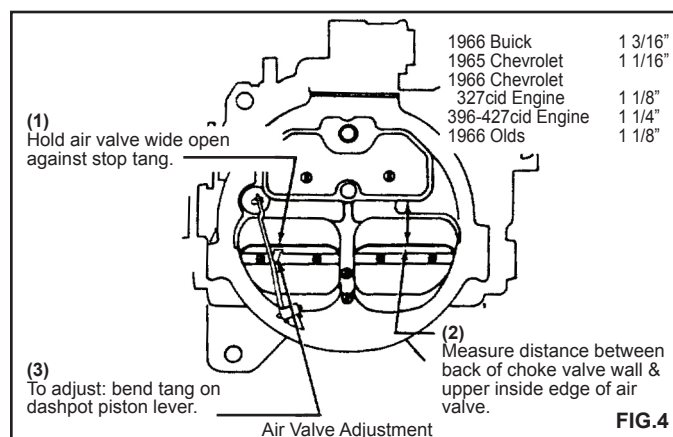


FIG.4

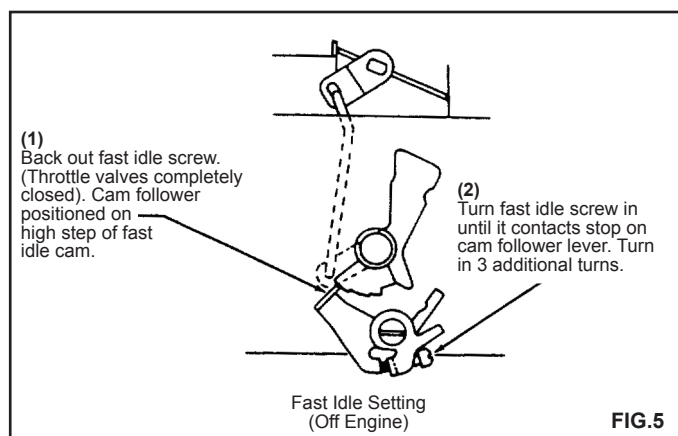


FIG.5

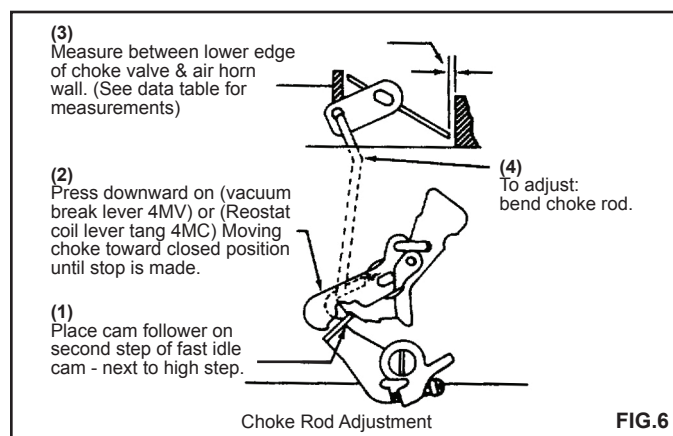
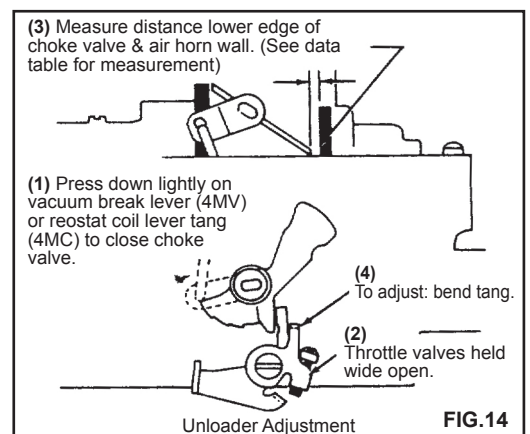
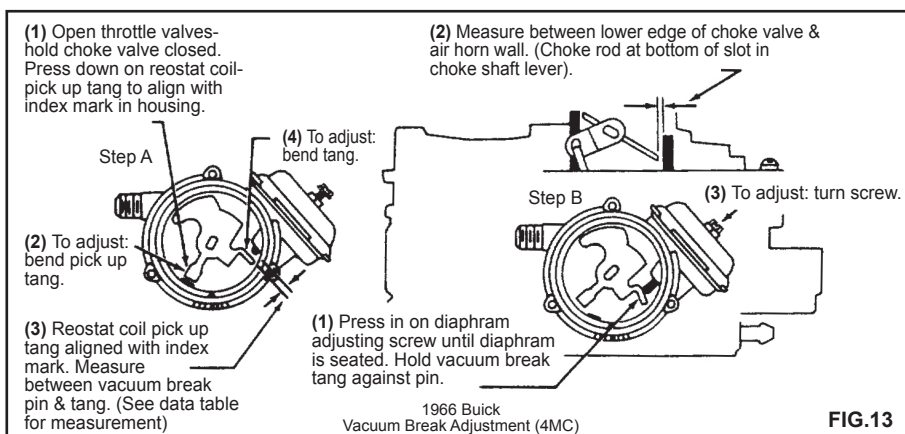
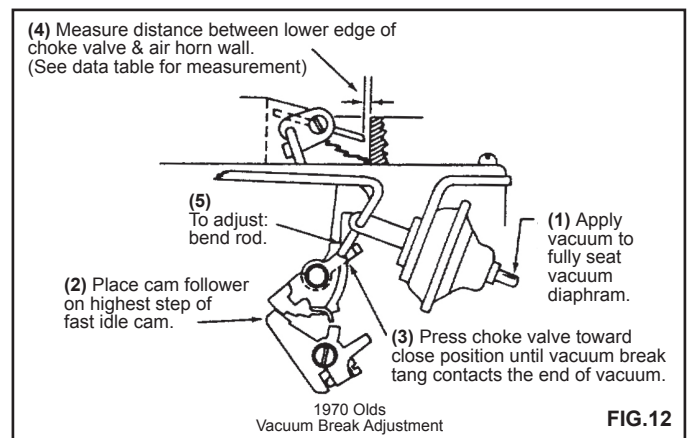
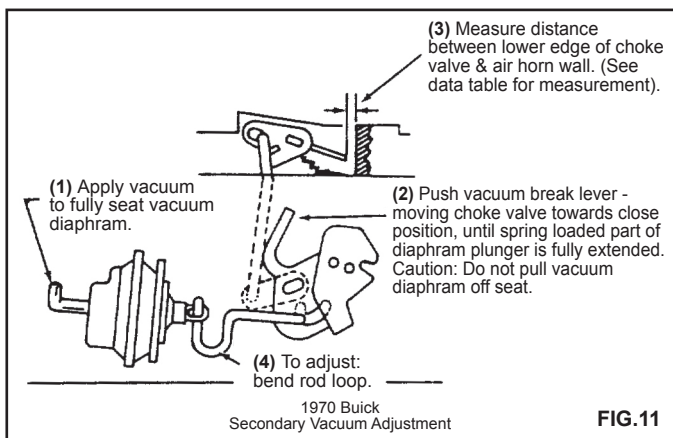
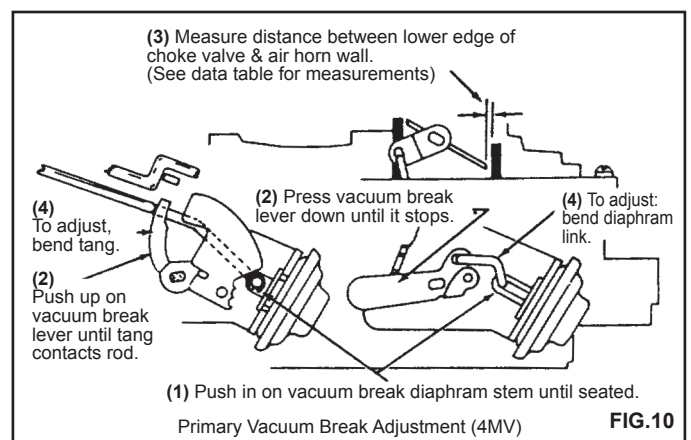
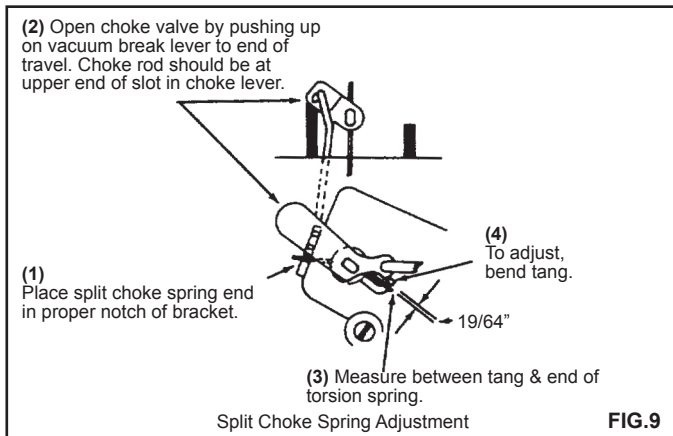
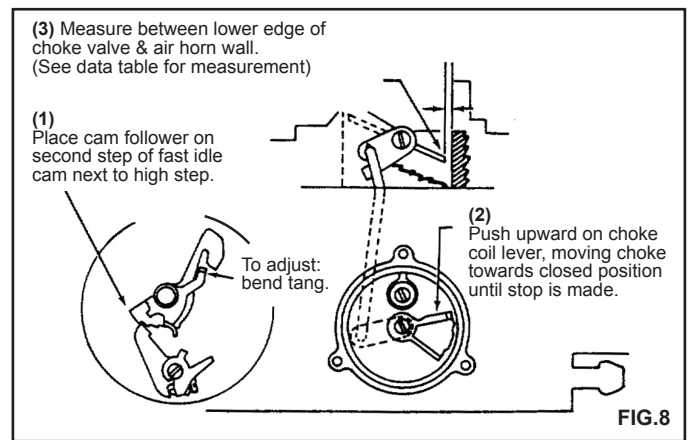
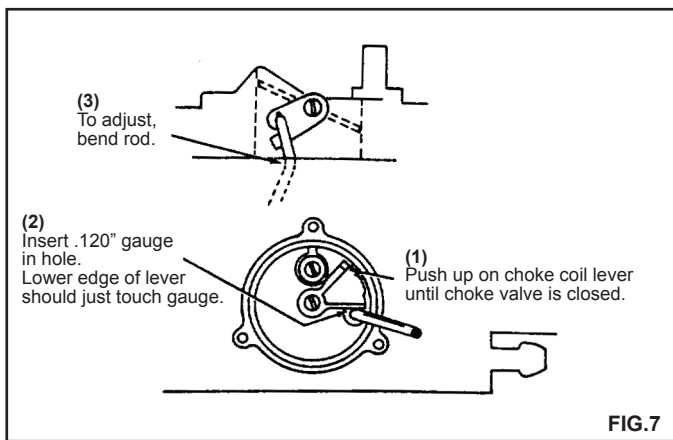
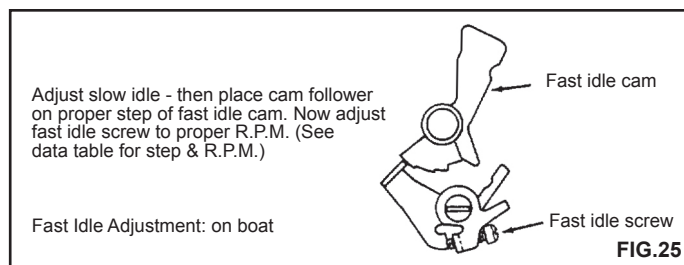
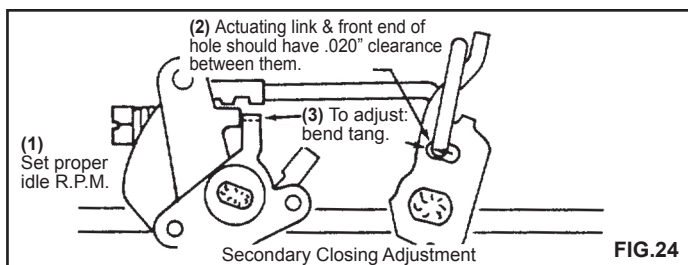
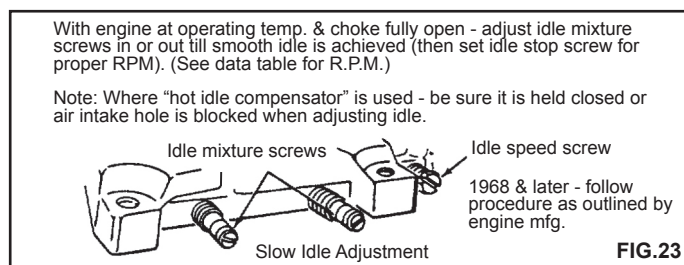
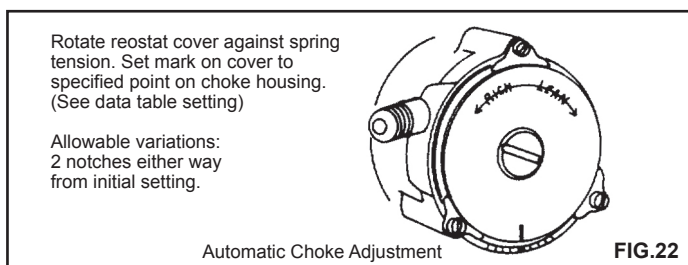
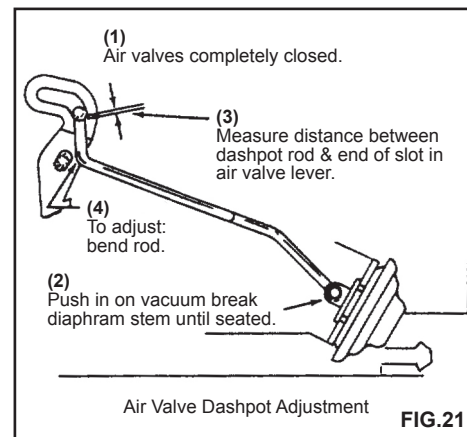
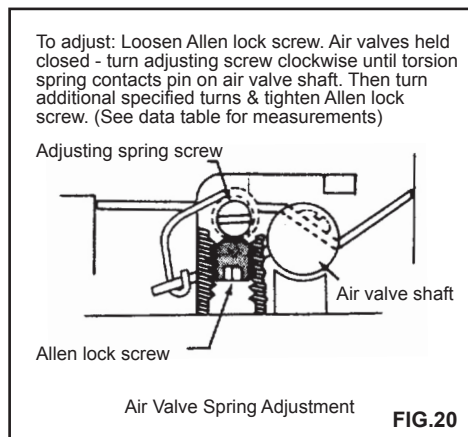
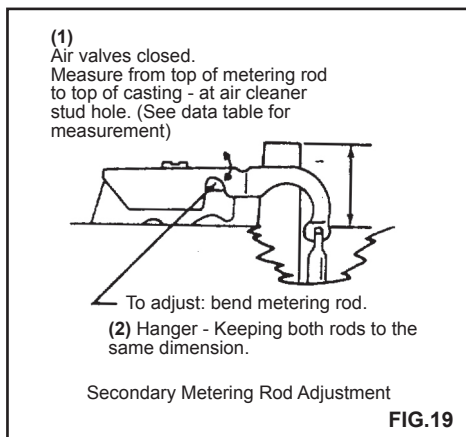
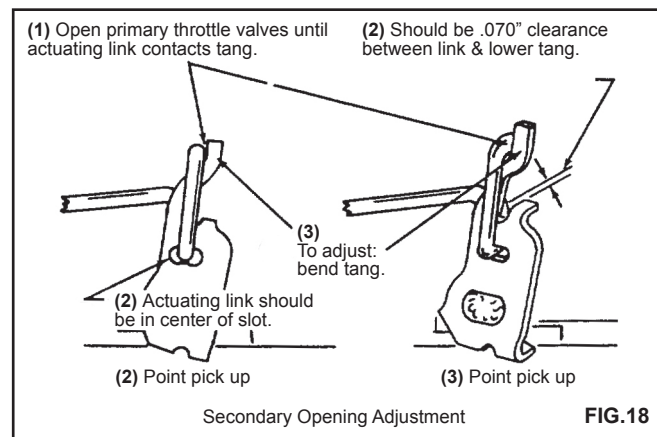
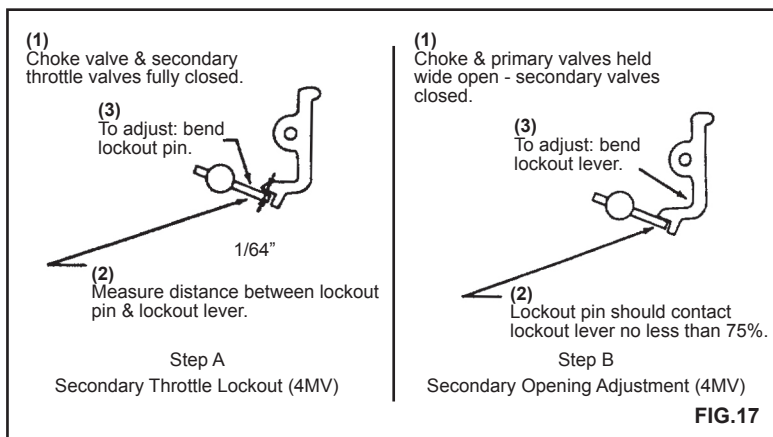
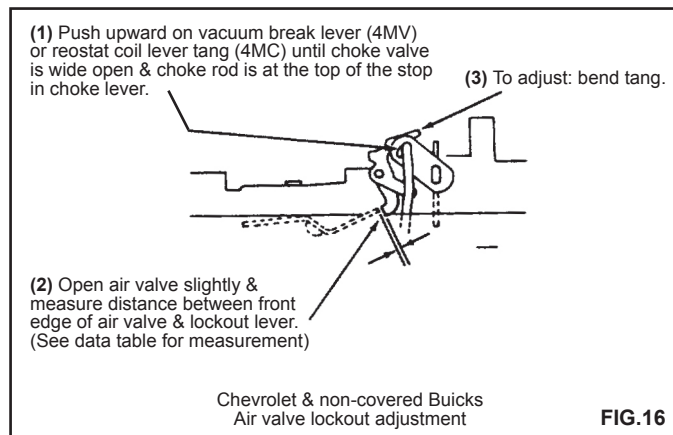
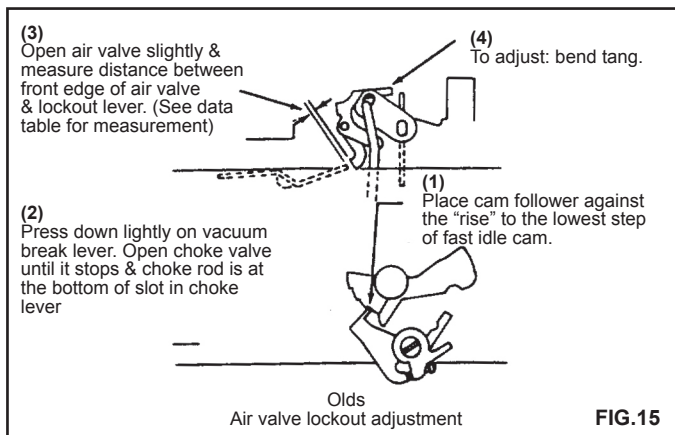


FIG.6

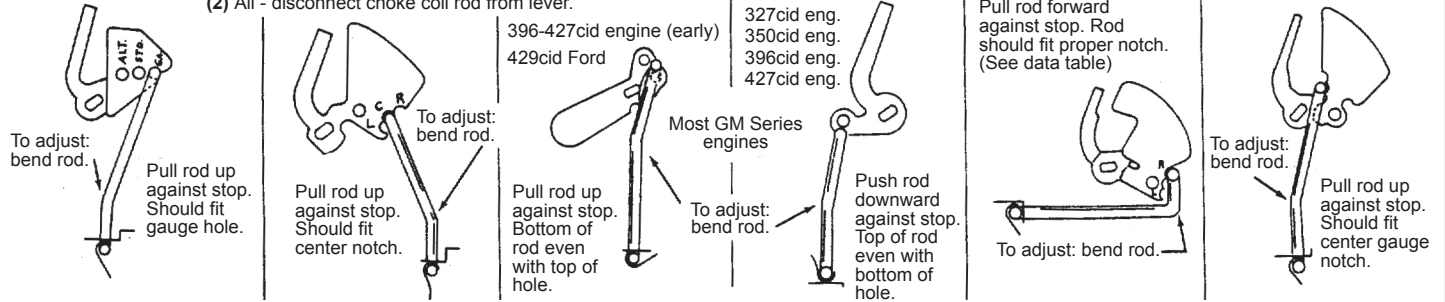




(1) All - hold choke valve completely closed & choke rod at bottom of slot in choke lever.



(2) All - disconnect choke coil rod from lever.



Style 1

Style 2

Choke Coil Rod Adjustments

Style 3

Style 4

FIG.26