

# INSTRUCTION SHEET

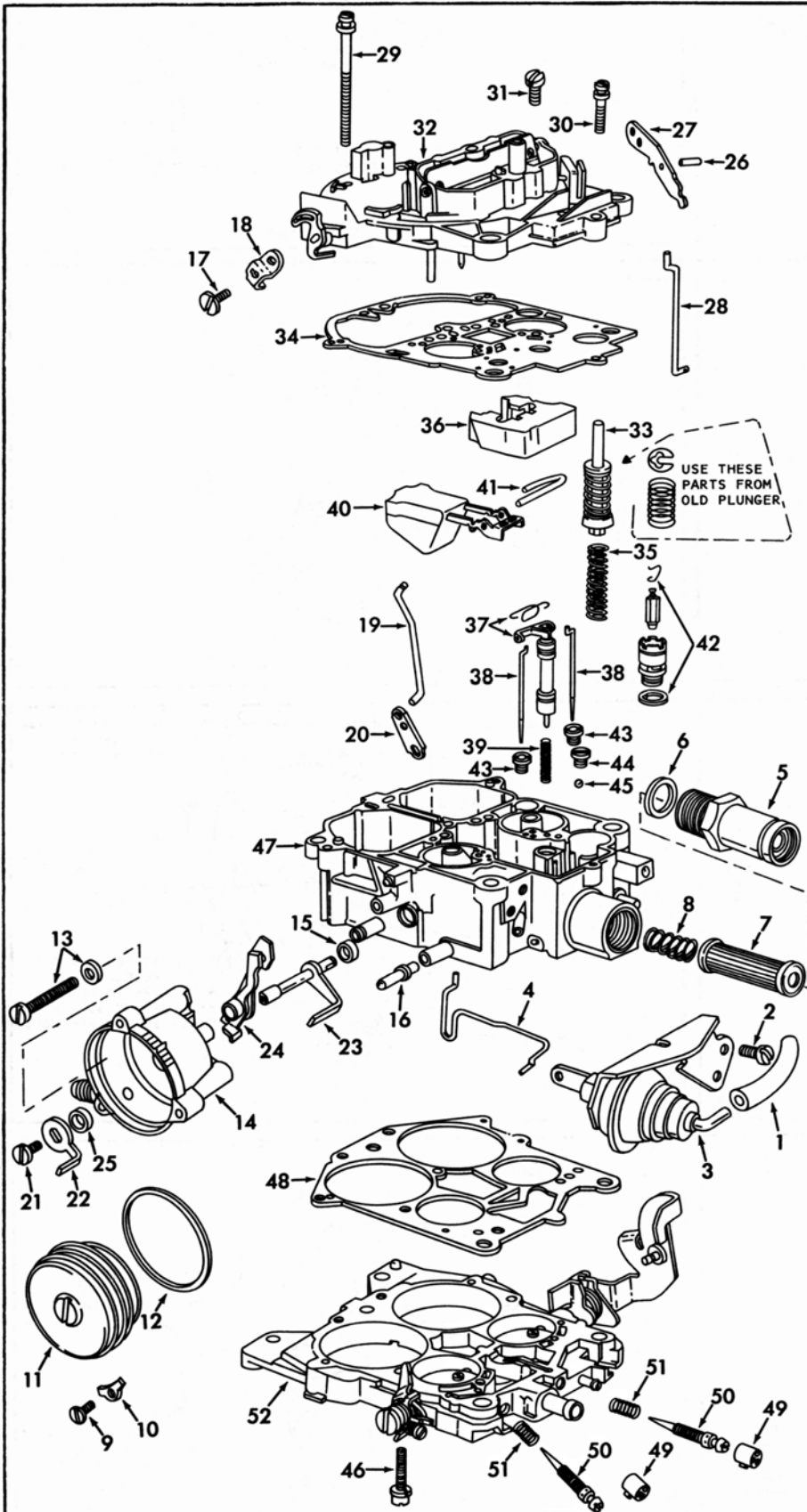
## OFF VEHICLE CARBURETOR SERVICE

### ROCHESTER MODEL 2MC

50-507-2

#### 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: TO REMOVE PUMP LEVER (27) JUST DRIVE PIN IN FAR ENOUGH TO RELEASE LEVER. BOWL COVER SCREWS (31) ARE INSIDE THE AIR HORN. CAREFULLY PRY UP ON VACUUM PISTON ASSY. (37) TO RELEASE PLASTIC LOCK RING HOLDING IT IN PLACE. IDLE LIMITER CAPS (49) CAN EASILY BE REMOVED BY BREAKING OFF WITH A PLIERS. NO REPLACEMENT CAPS ARE NECESSARY AS A BARE MIXTURE SCREW IS SUFFICIENT TO INDICATE THAT THE MIXTURE HAS BEEN READJUSTED. BEFORE REMOVING IDLE ADJUSTING NEEDLES (50) TURN IN AND COUNT THE NUMBER OF TURNS TO SEAT NEEDLES.

MODELS HAVING A.P.T. ADJUSTMENT SCREW LOCATED DIRECTLY IN FRONT OF POWER PISTON, NO ATTEMPT SHOULD BE MADE TO READJUST. FACTORY ADJUSTED TO MEET EMISSION REQUIREMENTS.

#### NOMENCLATURE

REF. NO.	REF. NO.
1. HOSE-CHOKE PULL OFF	28. ROD-PUMP
2. SCREW(2)-CHOKE PULL OFF	29. SCREW & LOCKWASHER(2)-BOWL COVER(LONG)
3. CHOKE PULL OFF ASSY.	30. SCREW & LOCKWASHER(5)-BOWL COVER
4. ROD-CHOKE PULL OFF	31. SCREW(2)-BOWL COVER (TAPERED HEAD)
5. FITTING-FUEL INLET	32. BOWL COVER ASSY.
6. GASKET-FITTING	33. PUMP ASSY.
7. FILTER-FUEL	34. GASKET-BOWL COVER
8. SPRING-FUEL FILTER	35. SPRING-PUMP
9. SCREW(3)-CHOKE COVER RETAINER	36. SPACER-FUEL BOWL
10. RETAINER(3)-CHOKE COVER	37. VACUUM PISTON ASSY.
11. CHOKE COVER ASSY.	38. ROD(2)-METERING
12. GASKET-CHOKE COVER	39. SPRING-VACUUM PISTON
13. SCREW & WASHER-CHOKE HOUSING	40. FLOAT ASSY.
14. CHOKE HOUSING ASSY.	41. PIN-FLOAT HINGE
15. SEAL-INTERMEDIATE SHAFT	42. NEEDLE, SEAT & GASKET ASSY.
16. TUBE-VACUUM PASSAGE	43. JET(2)-MAIN
17. SCREW-CHOKE SHAFT LEVER	44. PLUG-PUMP CHECK BALL
18. LEVER-CHOKE SHAFT	45. BALL-PUMP CHECK
19. ROD-CHOKE	46. SCREW(2)-THROTTLE BODY
20. LEVER-INTERMEDIATE SHAFT	47. BOWL ASSY.-FUEL
21. SCREW-CHOKE SPRING LEVER	48. GASKET-THROTTLE BODY
22. LEVER-CHOKE SPRING	49. CAP(2)-IDLE LIMITER
23. SHAFT-INTERMEDIATE CHOKE	50. NEEDLE(2)-IDLE ADJUSTING
24. CAM-FAST IDLE	51. SPRING(2)-IDLE ADJ. NEEDLE
25. SEAL-CHOKE HOUSING	52. THROTTLE BODY ASSY.
26. PIN-PUMP LEVER	
27. LEVER-PUMP	

#### CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. SOAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL. USE A CARBURETOR CLEANING SOLVENT. 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 DIAPHRAGM UNITS, FLOAT, OR PARTS MADE OF RUBBER OR PLASTIC IN CLEANING SOLVENTS.

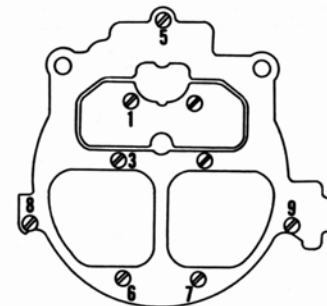
#### REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE SPECIAL INSTRUCTIONS AND FOLLOW NUMERICAL OUTLINE IN MAKING ADJUSTMENTS.

#### SPECIAL INSTRUCTIONS

IDLE ADJUSTING NEEDLES(50)-TURN EACH NEEDLE IN UNTIL LIGHTLY SEATED, THEN BACK OUT NUMBER OF TURNS COUNTED ON DISASSEMBLY.

POWER PISTON AND METERING ROD INSTALLATION. BE CAREFUL TO PROPERLY POSITION METERING RODS IN METERING JETS, AND THE PLASTIC RETAINER FOR PISTON IS PROPERLY LOCKED IN PLACE.

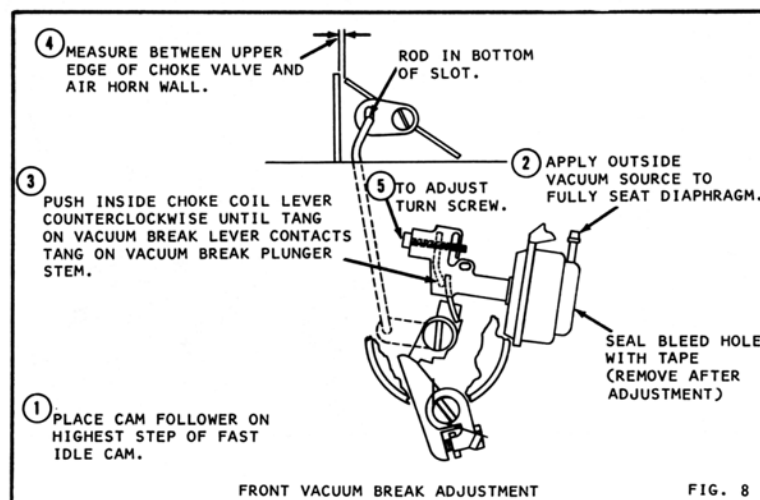
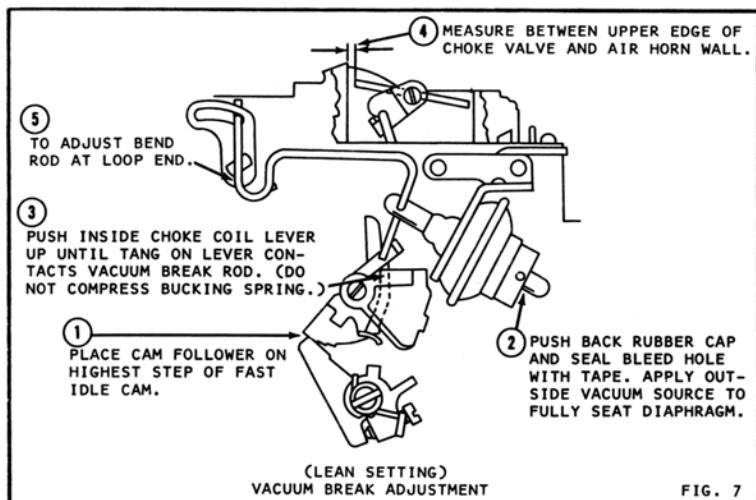
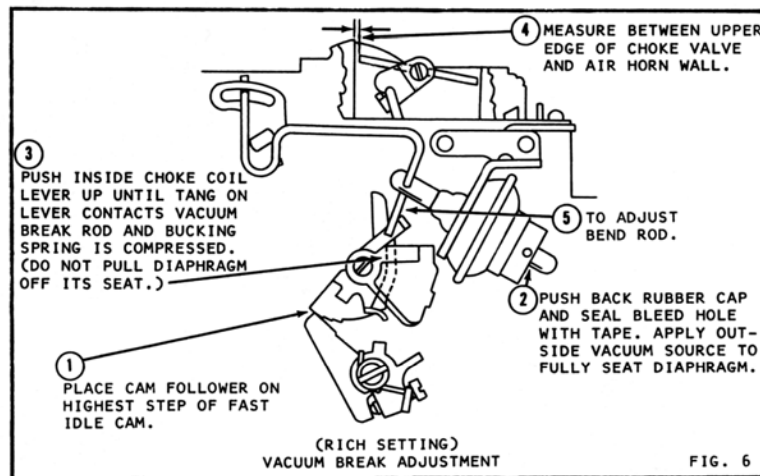
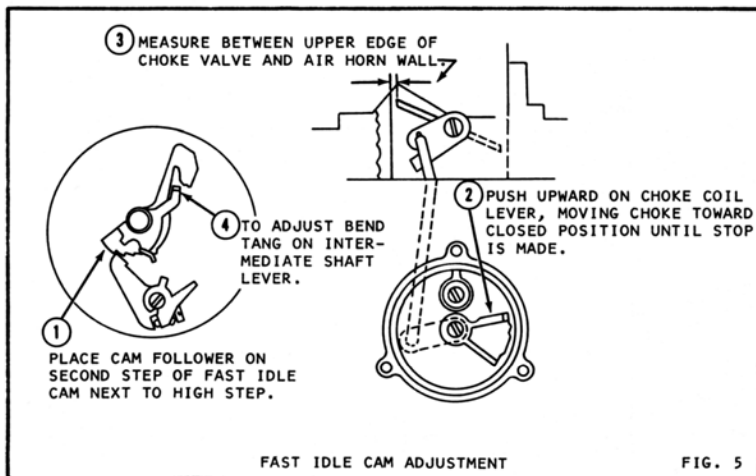
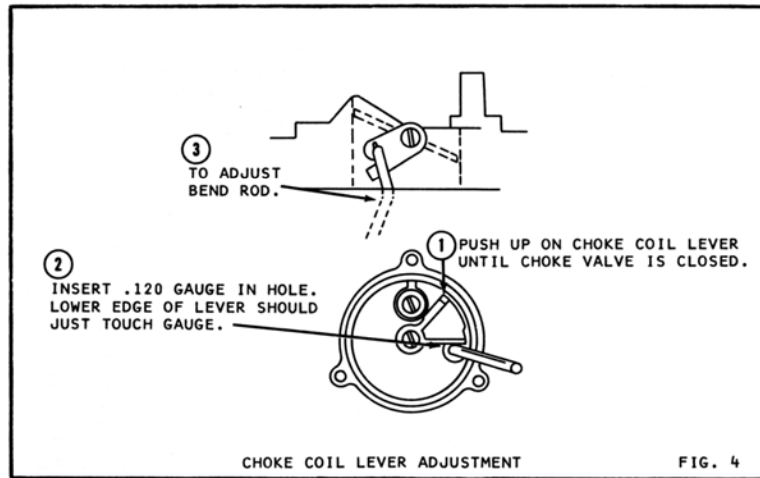
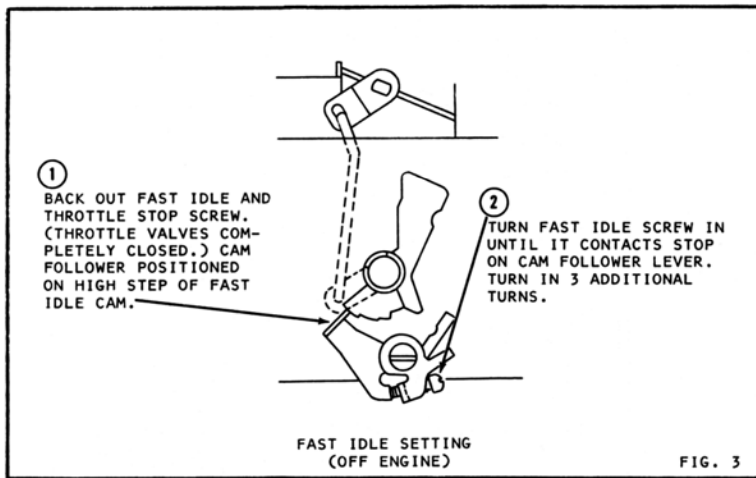
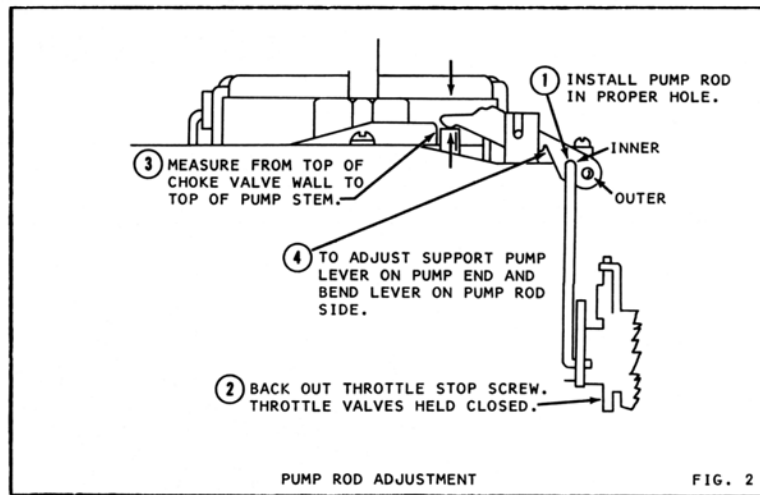
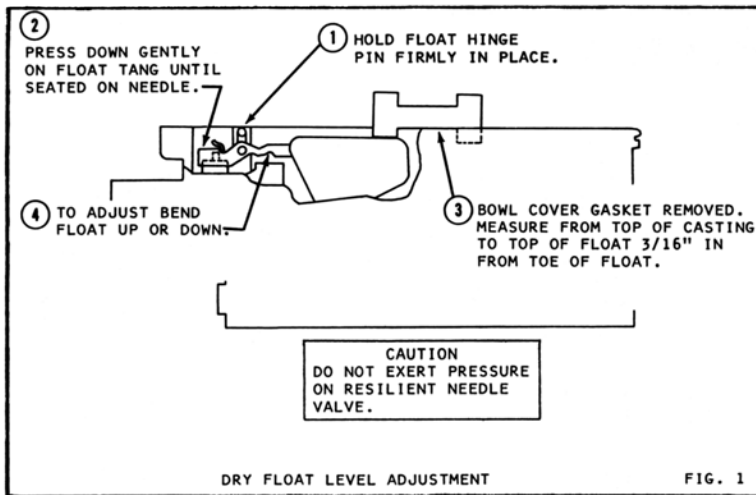


BOWL COVER INSTALLATION TIGHTEN BOWL COVER SCREWS IN SEQUENCE AS SHOWN.

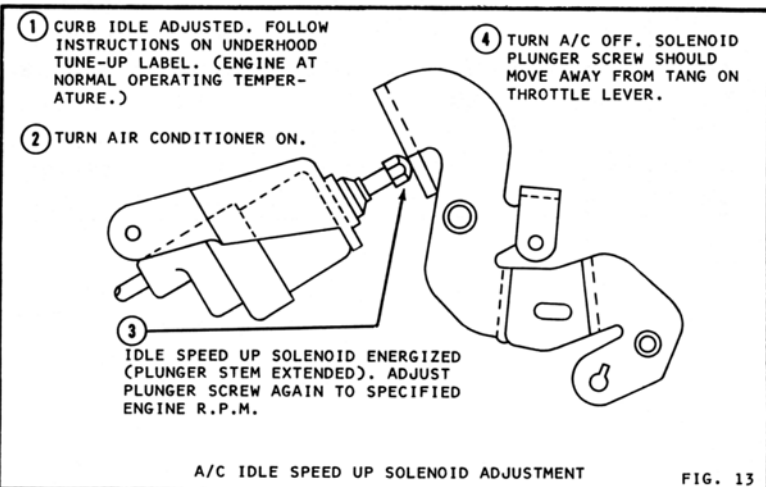
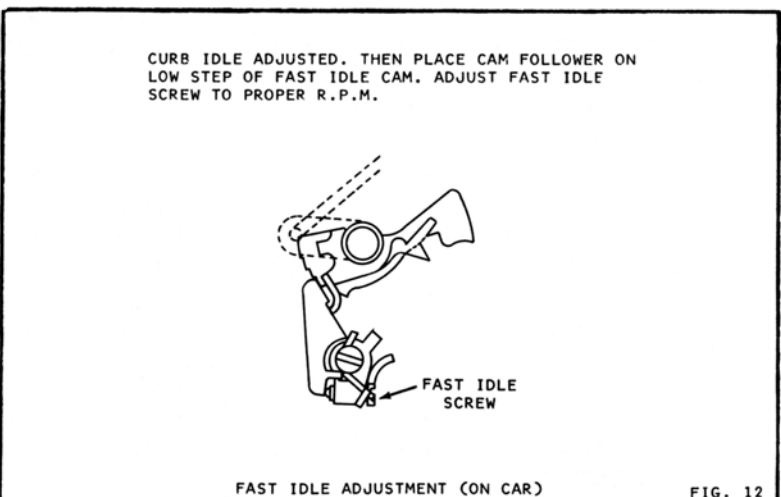
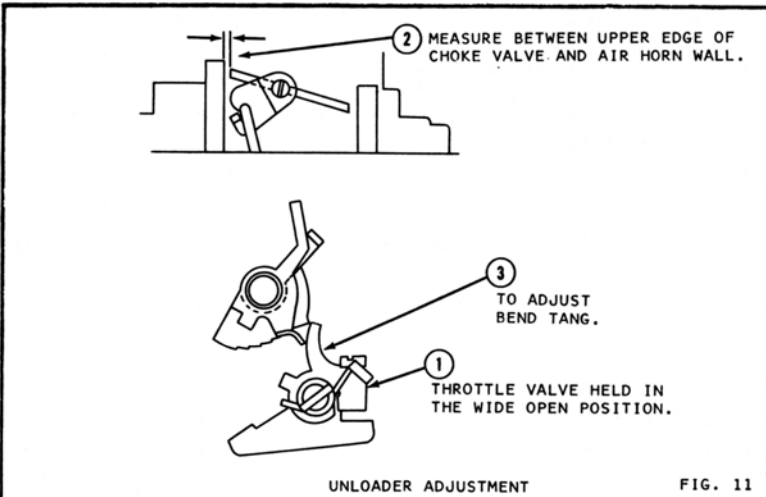
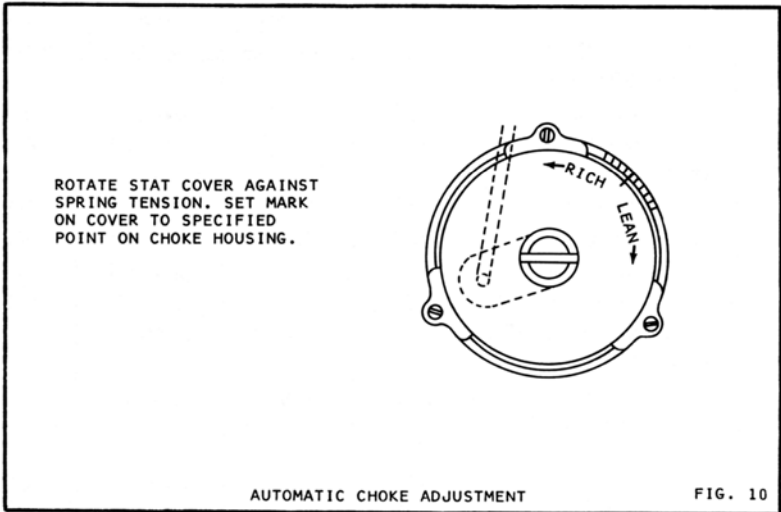
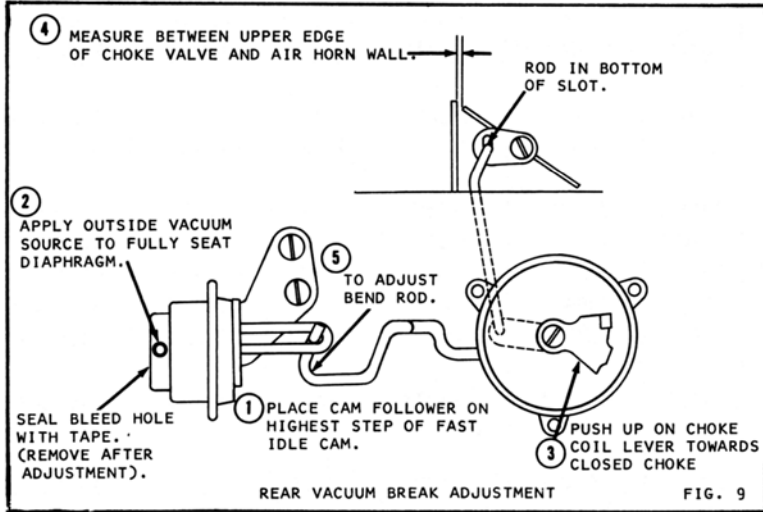
INTERMEDIATE CHOKE SHAFT SEALS(15)(25)-SEAL(15)LIP OF SEAL IS FACING OUT AND SEAL(25)LIP IS FACING IN.

REFER TO DECAL IN ENGINE COMPARTMENT FOR CORRECT TUNE-UP PROCEDURE AND SPECIFICATION.

# ADJUSTMENTS



# ADJUSTMENTS



### ADJUSTMENT DATA TABLE

Year	Make		Float Level Setting	Pump Rod Location	Pump Rod Setting	Fast Idle Cam Setting	Vacuum Break (RICH)	Vacuum Break (LEAN)	Unloader Setting	Auto Choke Setting	Fast Idle R. P. M.
1975	Buick 260" V8										
	Federal	A/T	3/16"	INNER	9/32"	7/64"	7/64"	11/64"	7/32"	1-RICH	900P L/S
	California	A/T	3/16"	OUTER	9/32"	7/64"	7/64"	7/32"	7/32"	INDEX	900P L/S
1976	Buick 260" V8										
	Federal	A/T	1/8"	INNER	9/32"	7/64"	7/64"	11/64"	7/32"	1-RICH	900P L/S
	Federal	M/T	1/8"	OUTER	3/16"	7/64"	7/64"	11/64"	7/32"	1-RICH	900N L/S
	California	A/T	1/8"	OUTER	3/16"	7/64"	7/64"	7/32"	7/32"	INDEX	900P L/S
	California	M/T	1/8"	OUTER	3/16"	7/64"	7/64"	1/4"	7/32"	INDEX	900N L/S
	Carb. No. 17056455 Calif.		1/8"	INNER	9/32"	1/8"	1/8"	7/32"	7/32"	1-RICH	900N L/S
1977	Buick 301" V8										
	Federal	A/T	11/32"	INNER	1/4"	5/64"	9/64"*	1/4"***	1/4"	2-RICH	1750 2/S
1975	Olds. 260" V8										
	Federal	A/T	3/16"	INNER	9/32"	7/64"	7/64"	11/64"	7/32"	1-RICH	900P L/S
	Federal	M/T	3/16"	INNER	3/16"	7/64"	7/64"	7/32"	7/32"	1-RICH	900N L/S
	Olds. Cutlass California	A/T	3/16"	INNER	3/16"	7/64"	7/64"	7/32"	7/32"	INDEX	900P L/S
	Olds. Omega California	A/T	3/16"	OUTER	9/32"	7/64"	7/64"	7/32"	7/32"	INDEX	900P L/S
1976	Olds. 260" V8										
	Federal	A/T	1/8"	INNER	9/32"	7/64"	7/64"	11/64"	7/32"	1-RICH	900P L/S
	Federal	M/T	1/8"	OUTER	3/16"	7/64"	7/64"	11/64"	7/32"	1-RICH	900N L/S
	California	A/T	1/8"	OUTER	3/16"	7/64"	7/64"	7/32"	7/32"	INDEX	900P L/S
	California	M/T	1/8"	OUTER	3/16"	7/64"	7/64"	1/4"	7/32"	INDEX	900N L/S
	Carb. No. 17056455 Calif.		1/8"	INNER	9/32"	1/8"	1/8"	7/32"	7/32"	1-RICH	900N L/S
1977	Olds. 260" V8	A/T	1/8"	OUTER	11/32"	3/32"	3/32"	5/32"	3/16"	2-RICH	900P L/S
		M/T	1/8"	OUTER	3/8"	3/32"	7/64"	3/16"	3/16"	1-RICH	900N L/S
1975	Pontiac 260" V8										
	Federal	A/T	3/16"	INNER	9/32"	7/64"	7/64"	11/64"	7/32"	1-RICH	900P L/S
	Federal	M/T	3/16"	INNER	3/16"	7/64"	7/64"	7/32"	7/32"	1-RICH	900N L/S
	California	A/T	3/16"	OUTER	9/32"	7/64"	7/64"	7/32"	7/32"	INDEX	900P L/S
1976	Pontiac 260" V8										
	Federal	A/T	1/8"	INNER	9/32"	7/64"	7/64..	11/64"	7/32"	1-RICH	900P L/S
	Federal	M/T	1/8"	OUTER	3/16"	7/64"	7/64"	11/64"	7/32"	1-RICH	900N L/S
	California	A/T	1/8"	OUTER	3/16"	7/64"	7/64"	7/32"	7/32"	INDEX	900P L/S;
	California	M/T	1/8"	OUTER	3/16"	7/64"	7/64"	1/4"	7/32"	INDEX	900N L/S
	Carb. No. 17056455 Calif.		1/8"	INNER	9/32"	1/8"	1/8"	7/32"	7/32"	1-RICH	900N L/S
1977	Pontiac 301" V8	A/T	11/32"	INNER	1/4"	5/64"	9/64"*	1/4"***	1/4"	2-RICH	1750 2/S
		M/T	11/32"	OUTER	5/16"	5/64"	11/64"*	1/4"***	1/4"	2-RICH	1750 2/S

Calif. = California

L/S = Low Step

P = Park

N = Neutral

A/T = Automatic Transmission

M/T = Manual Transmission

\*Front V/B

\*\*Rear V/B