

INSTRUCTION SHEET

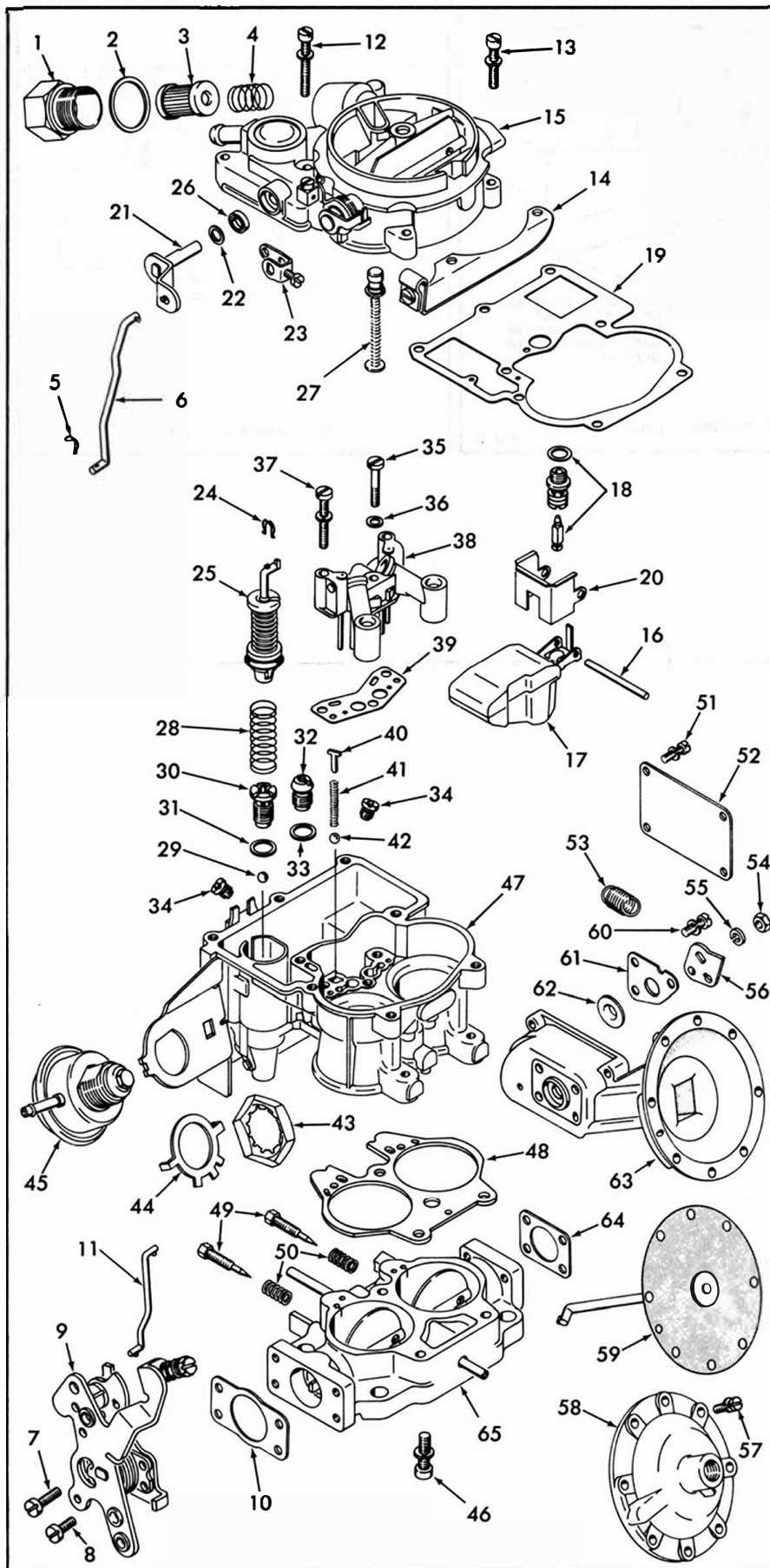
OFF VEHICLE CARBURETOR SERVICE

ROCHESTER - MODEL 2G W/GOV.

50-657

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 ASSY. (25) FROM LEVER (23) TWIST UPSET END WITH SMALL PLIERS UNTIL IT BREAKS OFF. SERVICE PUMP WILL HAVE A RETAINING CLIP GROOVE. REMOVE PUMP SHAFT SEAL (26) CAREFULLY FOR IT WILL BE USED OVER. REMOVE STAKING FROM BOWL COVER FOR EASY REMOVAL OF POWER PISTON ASSEMBLY (27). BEFORE REMOVING IDLE ADJUSTING NEEDLES (49), TURN IN TO COUNT THE NUMBER OF TURNS NEEDLES ARE OUT FROM A SEATED POSITION, AND RECORD FOR REASSEMBLY. MARK DIAPHRAGM COVER IN RELATION TO HOUSING BEFORE REMOVING.

NOMENCLATURE

REF. NO.	REF. NO.
1. FITTING-FUEL INLET	34. JET-MAIN (2)
2. GASKET-INLET FITTING	35. SCREW-VENTURI CLUSTER CENTER
3. FUEL FILTER	36. GASKET-CENTER SCREW
4. SPRING-FUEL FILTER	37. SCREW & LKWSHR.-VENTURI CLUSTER (2)
5. RETAINER-PUMP ROD	38. VENTURI CLUSTER ASSY.
6. ROD-PUMP	39. GASKET-VENTURI CLUSTER
7. SCREW-THROTTLE LEVER (LONG) (1)	40. GUIDE-PUMP DISCHARGE SPRING
8. SCREW-THROTTLE LEVER (SHORT) (3)	41. SPRING-PUMP DISCHARGE
9. THROTTLE LEVER ASSY.	42. BALL-PUMP DISCHARGE (STEEL)
10. GASKET-THROTTLE LEVER	43. NUT-THROTTLE ACTUATOR
11. ROD-CHOKE	44. WASHER-LOCKING TAB
12. SCREW & LKWSHR.-BOWL COVER (LONG) (1)	45. ACTUATOR-THROTTLE LEVER
13. SCREW & LKWSHR.-BOWL COVER (SHORT) (7)	46. SCREW & LKWSHR.-THROTTLE BODY (3)
14. BRACKET-CHOKE CABLE	47. BOWL ASSEMBLY
15. BOWL COVER ASSEMBLY	48. GASKET-THROTTLE BODY
16. PIN-FLOAT	49. NEEDLE-IDLE ADJUSTING (2)
17. FLOAT ASSEMBLY	50. SPRING-IDLE ADJ. NEEDLE (2)
18. NEEDLE & SEAT ASSY.	51. SCREW & LKWSHR.-GOV. HOUSING COVER (4)
19. GASKET-BOWL COVER	52. COVER-GOVERNOR HOUSING
20. BAFFLE-FUEL	53. SPRING-GOVERNOR
21. LEVER & SHAFT ASSY.-PUMP	54. NUT-GOV. LEVER
22. WASHER-LEVER & SHAFT (NYLON)	55. LOCKWASHER-GOV. LEVER
23. LEVER ASSY.-PUMP (INNER)	56. LEVER & PIN ASSY.-GOV.
24. RETAINER-PUMP (SERVICE PART)	57. SCREW & LKWSHR.-DIAPH. COVER (8)
25. PUMP ASSEMBLY	58. DIAPHRAGM COVER-GOV.
26. SEAL-PUMP LEVER & SHAFT	59. DIAPHRAGM ASSY.-GOV.
27. POWER PISTON ASSEMBLY	60. SCREW & LKWSHR.-GOV. ASSY.
28. SPRING-PUMP RETURN	61. RETAINER-THROTTLE SHAFT SEAL
29. BALL-PUMP INTAKE CHECK (ALUM)	62. SEAL-THROTTLE SHAFT
30. POWER VALVE ASSY. (MECH.)	63. GOVERNOR HOUSING
31. GASKET-POWER VALVE	64. GASKET-GOV. HOUSING
32. POWER VALVE ASSY. (VACUUM)	65. THROTTLE BODY ASSEMBLY
33. GASKET-POWER VALVE	

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 INSURE THOROUGH CLEANING OF OBSCURE AREAS. CAUTION: DO NOT SOAK FLOAT, DIAPHRAGM UNITS, RUBBER OR PLASTIC PARTS IN SOLVENTS.

REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE SPECIAL INSTRUCTIONS AND FOLLOW NUMERICAL OUTLINE IN MAKING ADJUSTMENTS NECESSARY FOR CARBURETOR BEING SERVICED.

SPECIAL INSTRUCTIONS

NOTE: USE LIGHT OIL ON THROTTLE SHAFT BEARINGS AND LEATHER SEAL LIP OF SEAL FACES OUTWARD. USE LIGHT GREASE ON SPRING PINS.

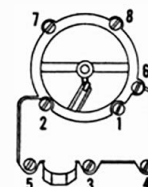
DIAPHRAGM INSTALLATION-INSTALL PARTS 65 THRU 53. MAKING SURE GOV. DIAPHRAGM HOLES ARE PROPERLY LINED UP WITH HOLES IN DIAPHRAGM HOUSING AND LEAVING COVER SCREWS (57) LOOSE SO DIAPHRAGM CAN MOVE FREELY UNTIL DIAPHRAGM ADJUSTMENT IS MADE.

DIAPHRAGM ADJUSTMENT-HOLD THE THROTTLE VALVES WIDE OPEN. THEN TIGHTEN GOV. DIAPHRAGM COVER SCREWS EVENLY AND SECURELY. CHECK FOR FREE OPERATION OF THROTTLE SHAFT.

IDLE ADJUSTING NEEDLES (49)-TURN EACH NEEDLE IN UNTIL LIGHTLY SEATED, THEN BACK OUT NUMBER OF TURNS COUNTED ON DISASSEMBLY.

PUMP RETURN SPRING (28)-INSTALL WITH LARGE END TO BOTTOM OF PUMP WELL.

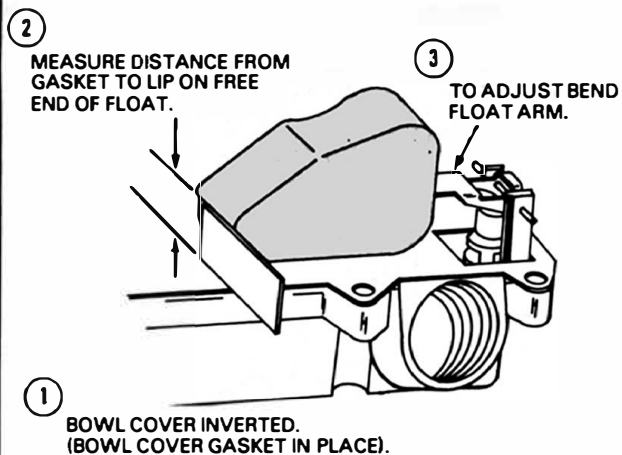
POWER PISTON ASSY. (27)-LIGHTLY STAKE CASTING AROUND WASHER.



AIR HORN TIGHTENING SEQUENCE

ADJUSTMENTS

SETTINGS
1979-17/32"
1980-85-5/8"

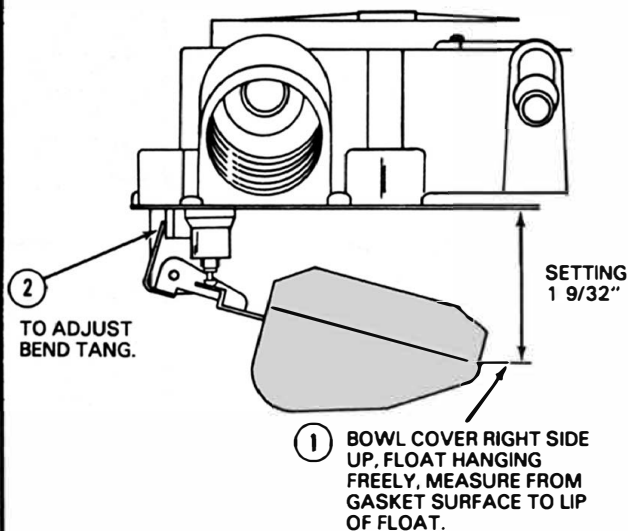


CAUTION: DO NOT EXERT PRESSURE ON RESILIENT NEEDLE VALVE.

DRY FLOAT LEVEL ADJUSTMENT.

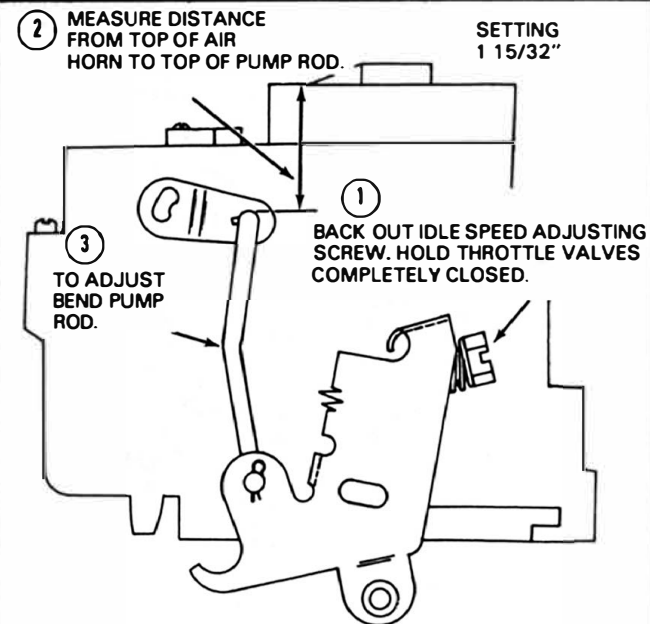
FIG. 1.

NOTE: NEEDLE MUST NOT WEDGE AT MAXIMUM DROP



FLOAT DROP ADJUSTMENT

FIG. 2.



PUMP ROD ADJUSTMENT.

FIG. 3.