

# INSTRUCTION SHEET

## OFF VEHICLE CARBURETOR SERVICE

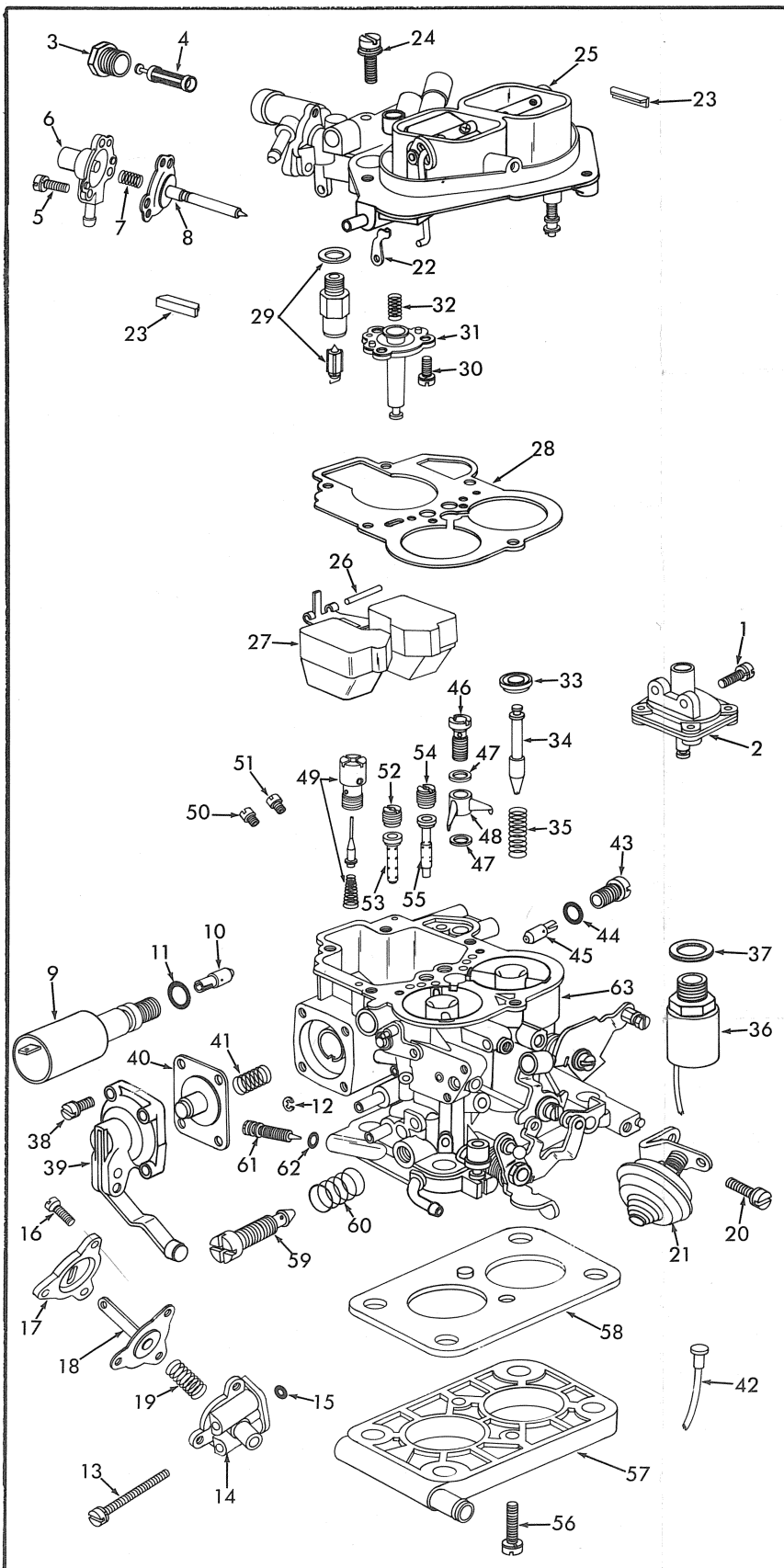
### WEBER-MODEL 32DIR

W/BOWL VENT SOLENOID/FEED BACK

50-617

#### 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. BEFORE REMOVING IDLE SHUT OFF SOLENOID (9) LOOSEN ALLEN SET SCREW LOCKING SOLENOID FROM TURNING. CHOKE-CONTROL ROD CAN BE UNHOOKED FROM BLOCK ON CHOKE OPERATING LEVER. NOTE SIZES OF JETS AND MAIN WELL EMULSION TUBES AND THEIR LOCATION FOR PROPER ASSEMBLY. BEFORE REMOVING NEEDLES (59), (61) TURN IN COUNTING THE NUMBER OF TURNS IT TAKES TO LIGHTLY SEAT NEEDLE. RECORD INFORMATION FOR PROPER REASSEMBLY. CAUTION: SCREWS AND NUTS USED IN THIS CARBURETOR HAVE METRIC THREADS. DO NOT SUBSTITUTE U.S. THREADED SCREWS OR NUTS.

#### NOMENCLATURE

| REF. NO.                                          | REF. NO.                                |
|---------------------------------------------------|-----------------------------------------|
| 1. SCREW & LOCKWASHER (2) - T.P.O. ASSY.          | 32. SPRING - ACTUATOR                   |
| 2. THROTTLE PLATE OPENER ASSY.                    | 33. VALVE - VENT                        |
| 3. PLUG - INLET SCREEN                            | 34. PLUNGER STEM - VENT VALVE           |
| 4. SCREEN - FUEL INLET                            | 35. SPRING - VENT VALVE                 |
| 5. SCREW & LOCKWASHER (3) - COVER                 | 36. SOLENOID - BOWL VENT                |
| 6. COVER - FEED BACK DIAPHRAGM                    | 37. GASKET - SOLENOID                   |
| 7. SPRING - FEED BACK DIAPHRAGM                   | 38. SCREW & LOCKWASHER (4) - PUMP COVER |
| 8. DIAPHRAGM ASSY. - FEED BACK                    | 39. PUMP COVER & LEVER ASSY.            |
| 9. SOLENOID ASSY. - IDLE SHUT OFF                 | 40. DIAPHRAGM - PUMP                    |
| 10. JET - PRI. IDLE                               | 41. SPRING - DIAPHRAGM                  |
| 11. O-RING - IDLE SHUT OFF SOLENOID               | 42. GRD. LEAD - SOLENOID                |
| 12. RETAINER - CHOKE PULL OFF ROD                 | 43. JET HOLDER - SEC. IDLE              |
| 13. SCREW & LOCKWASHER (2) - CHOKE PULL OFF ASSY. | 44. O-RING - JET HOLDER                 |
| 14. CHOKE PULL OFF ASSY.                          | 45. JET - SEC. IDLE                     |
| 15. O-RING - CHOKE PULL OFF ASSY.                 | 46. SCREW - PUMP JET                    |
| 16. SCREW (3) - COVER                             | 47. WASHER (2) - PUMP JET               |
| 17. COVER - DIAPHRAGM                             | 48. PUMP JET                            |
| 18. DIAPHRAGM - CHOKE PULL OFF                    | 49. POWER VALVE ASSY.                   |
| 19. SPRING - DIAPHRAGM                            | 50. JET - PRIMARY MAIN                  |
| 20. SCREW & LOCKWASHER - DASHPOT                  | 51. JET - SECONDARY MAIN                |
| 21. DASHPOT ASSY.                                 | 52. JET - PRI. AIR BLEED                |
| 22. RETAINER CLIP - CHOKE ROD                     | 53. TUBE - PRI. EMULSION                |
| 23. PLUG (2) - ROD SEALS                          | 54. JET - SEC. AIR BLEED                |
| 24. SCREW & WASHERS (5) - BOWL COVER              | 55. TUBE - SEC. EMULSION                |
| 25. BOWL COVER ASSY.                              | 56. SCREW & LOCKWASHER - BASE FLANGE    |
| 26. PIN - FLOAT                                   | 57. BASE FLANGE                         |
| 27. FLOAT & LEVER ASSY.                           | 58. SPACER - INSULATOR                  |
| 28. GASKET - BOWL COVER                           | 59. SCREW - FUEL METERING               |
| 29. NEEDLE & SEAT ASSY.                           | 60. SPRING - SCREW                      |
| 30. SCREW & LOCKWASHER (3) ACTUATOR               | 61. NEEDLE - IDLE MIXTURE               |
| 31. ACTUATOR ASSY. - POWER VALVE                  | 62. O-RING - IDLE MIXTURE NEEDLE        |
|                                                   | 63. MAIN BODY ASSY.                     |

#### 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 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 SOLENOIDS, DIAPHRAGM ASSYS., RUBBER PARTS IN CLEANING SOLVENTS.

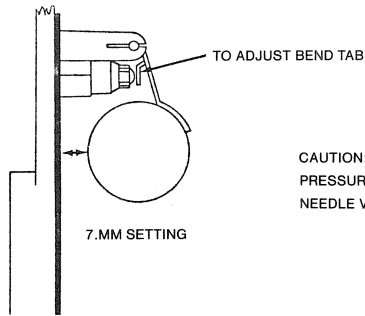
#### REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE SPECIAL INSTRUCTIONS AND ADJUSTMENTS.

#### SPECIAL INSTRUCTIONS

IDLE MIXTURE NEEDLE (61) AND FUEL METERING SCREW (59) - TURN IN UNTIL LIGHTLY SEATED THEN BACK OUT NUMBER OF TURNS RECORDED ON DISASSEMBLY.

# ADJUSTMENTS

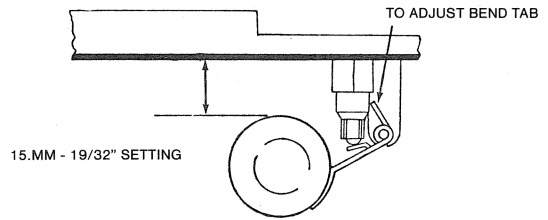


CAUTION: DO NOT EXERT  
PRESSURE ON RESILIENT  
NEEDLE VALVE

BOWL COVER HELD IN VERTICAL POSITION WITH FLOAT HANGING DOWN AND BOWL COVER GASKET IN PLACE. MEASURE DISTANCE FROM TOP OF FLOAT TO BOWL COVER GASKET. (DO NOT COMPRESS SPRING LOADED NEEDLE.)

BRASS FLOAT  
DRY FLOAT LEVEL ADJUSTMENT

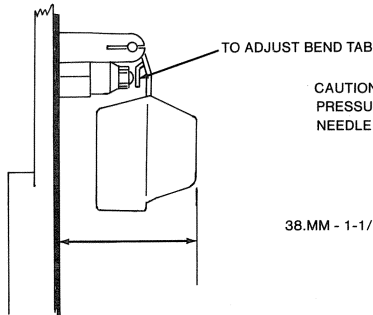
FIG. 1



BOWL COVER HELD IN A HORIZONTAL POSITION WITH FLOAT HANGING FREELY. MEASURE DISTANCE FROM TOP OF FLOAT TO BOWL COVER GASKET.

BRASS FLOAT  
FLOAT DROP ADJUSTMENT

FIG. 2

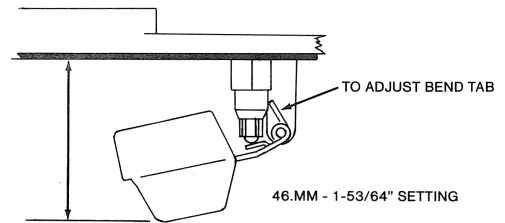


CAUTION: DO NOT EXERT  
PRESSURE ON RESILIENT  
NEEDLE VALVE

BOWL COVER HELD IN VERTICAL POSITION WITH FLOAT HANGING DOWN AND BOWL COVER GASKET IN PLACE. MEASURE DISTANCE FROM BOTTOM OF FLOAT TO BOWL COVER GASKET. (DO NOT COMPRESS SPRING LOADED NEEDLE.)

PLASTIC FLOAT  
DRY FLOAT LEVEL ADJUSTMENT

FIG. 3



BOWL COVER HELD IN A HORIZONTAL POSITION WITH FLOAT HANGING FREELY. MEASURE DISTANCE FROM BOTTOM OF FLOAT TO BOWL COVER GASKET.

PLASTIC FLOAT  
FLOAT DROP ADJUSTMENT

FIG. 4

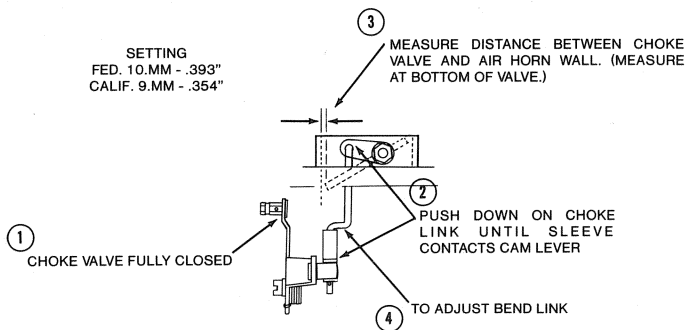


FIG. 5

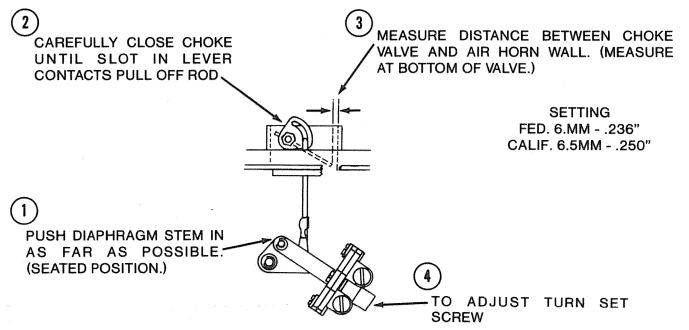


FIG. 6