

INSTRUCTION SHEET

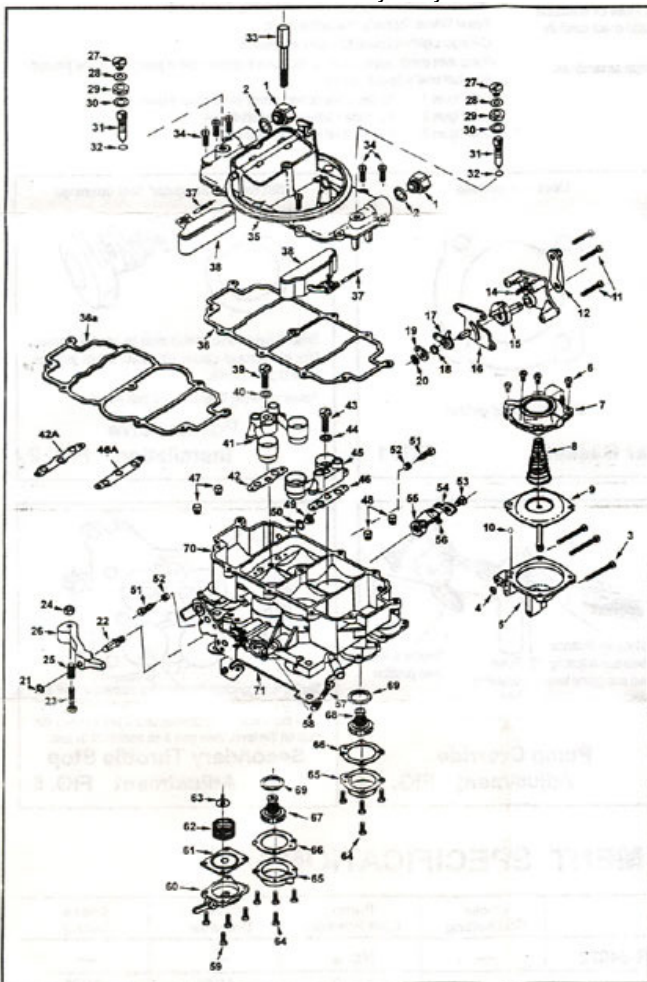
Off Engine Carburetor Service

Holley Model 4010/4011

General Exploded View

Actual Units May Vary

Nomenclature



- | Ref.No. | |
|---------|---------------------------------------|
| 1. | Fuel Inlet Fittings (2) |
| 2. | Gaskets, Fuel Inlet (2) |
| 3. | Screws, Secondary Diaphragm Cover (3) |
| 4. | Gasket, Secondary Diaphragm Housing |
| 5. | Secondary Diaphragm Housing |
| 6. | Screws Secondary Diaphragm Cover (4) |
| 7. | Secondary Diaphragm Cover |
| 8. | Spring, Secondary Diaphragm |
| 9. | Secondary Diaphragm |
| 10. | Check Ball Secondary Diaphragm |
| 11. | Screws, Fast Idle Cam Plate (3) |
| 12. | Choke Lever |
| 13. | Fast Idle Cam Plate Assembly |
| 14. | Spring, Fast Idle Cam |
| 15. | Fast Idle Cam |
| 16. | Choke Lever Back-Up Plate |
| 17. | Choke Rod Lever |
| 18. | Spring Choke Lever |
| 19. | Washer, Choke Spring Retainer |
| 20. | Fastener, Push Nut |
| 21. | Retainer, E-Clip |
| 22. | Stud, Pump Lever |
| 23. | Screw, Plump Lever Adjusting |
| 24. | Nut, Fiber Locking |
| 25. | Spring, Pump Lever Adjusting |
| 26. | Pump Operating Lever |
| 27. | Screws, Needle Seat (2) |
| 28. | Gaskets, Needle Seat (2) |
| 29. | Adjusting Lock Nuts (2) |
| 30. | Gaskets, Needle Seat (2) |
| 31. | Needle and Seat Assembly (2) |
| 32. | O-Rings, Needle and Seat (2) |
| 33. | Stud, Air Cleaner |
| 34. | Screws, Air Horn |
| 35. | Air Horn Assembly |
| 36. | Gasket, Air Horn |
| 36a. | Gasket (used on 4011 series) |
| 37. | Pin, Float (2) |
| 38. | Floats (2) |
| 39. | Screw, Primary Nozzle Bar |
| 40. | Gasket, Primary Nozzle Bar Screw |
| 41. | Primary Nozzle Bar |
| 42. | Gasket, Primary Nozzle Bar |
| 42a. | Gasket, (used on 4011 series) |
| 43. | Screw, Secondary Nozzle Bar |
| 44. | Gasket, Secondary Nozzle Bar |
| 45. | Secondary Nozzle Bar |
| 46. | Gasket, Secondary Nozzle Bar |
| 46a. | Gasket, (used on 4011 series) |
| 47. | Primary Jets |
| 48. | Secondary Jets |
| 49. | Fuel Level Sight Plug |
| 50. | Gasket, Sight Plug |
| 51. | Idle Adjustment Needle (2) |
| 52. | Spring, Idle Adjustment Needle (2) |
| 53. | Screw, Fast Idle Cam Lever |
| 54. | Cam Pick-Up Lever |
| 55. | Fast Idle Cam Lever |
| 56. | Fast Idle Adjusting Screw |
| 57. | Screw, Throttle Stop Adjusting |
| 58. | Spring, Throttle Stop Screw |
| 59. | Screws, Pump Diaphragm Cover (4) |
| 60. | Cover, Pump Diaphragm |
| 61. | Pump Diaphragm |
| 62. | Spring, Pump Diaphragm |
| 63. | Pump Check Valve |
| 64. | Screws, Power Valve Cover (8) |
| 65. | Covers, Power Valve (2) |
| 66. | Gaskets, Power Valve Cover (2) |
| 67. | Primary Power Valve |
| 68. | Secondary Power Valve |
| 69. | Gaskets, Power Valve (2) |
| 70. | Carburetor Body |
| 71. | Flange Gasket |

Disassembly

Use the exploded view as a guide. The numerical sequence may generally be followed to disassemble unit far enough for cleaning and inspection. Do not remove throttle plates or shafts. Note initial position of fuel needle slot and record. Turn idle needles in slowly until lightly seated. Recording number of turns, Note position and number of primary and secondary jets and record.

Cleaning

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

Caution: Do not soak parts containing rubber, floats or diaphragm assemblies.

Reassembly

Reassemble in reverse order of disassembly.

Note special instructions and follow numerical outline in making adjustments necessary for carburetor being serviced.

Special Instructions

Throttle body screws: Cross-tighten in three stages to get correct torque (50 inch-pounds).

Idle adjusting screws: Turn in until lightly seated, back out number of turns recorded on disassembly.

Jets: Replace in same position as noted during disassembly.

Power Valves: Torque to 100 inch-pounds.

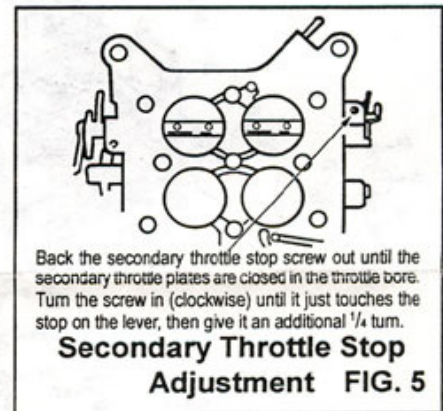
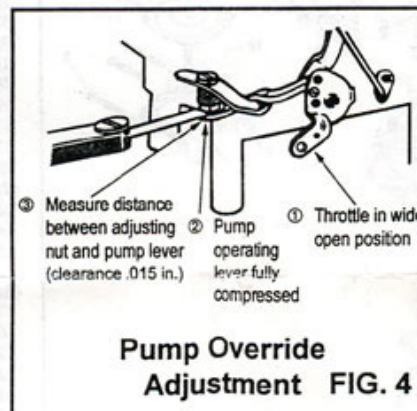
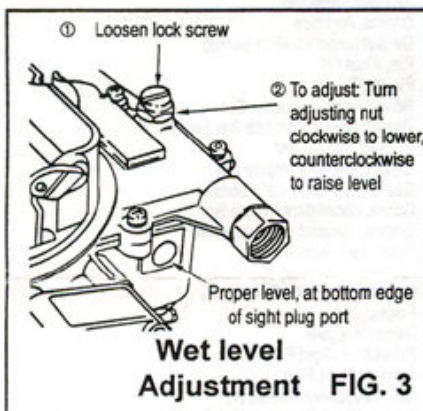
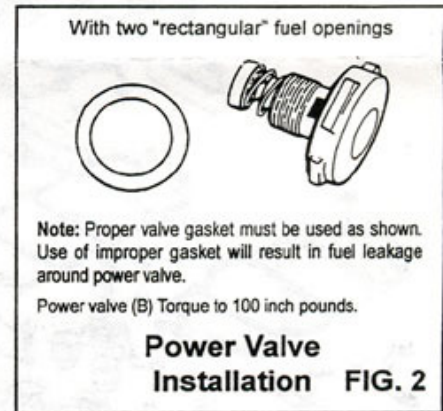
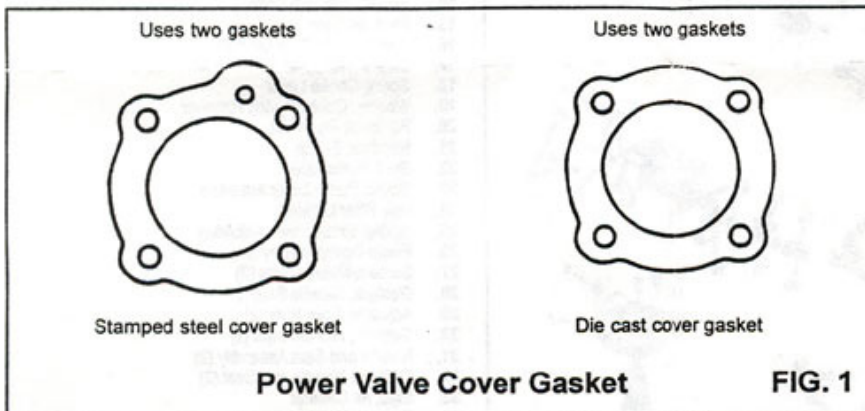
O-Rings: Lightly lubricate for easier installation.

Pump inlet check valve: Lubricate tip, insert in center hole in pump cavity-pull through from fuel bowl side until seated.

See Figure 1: To determine correct power valve cover gasket.

See Figure 2: For correct power valve installation.

See Figure 3: For wet level float adjustment procedure.



ADJUSTMENT SPECIFICATIONS

Carburetor Number	Choke Cap Setting	Pump Cam Position	Choke Unloader	Choke Quality
R-84014, R-84015, R-84016, R-84017, R-84022	—	No. 2	—	—
R-84021	—	No. 2	.185"	.328"
R-84024, R-84026	Index	No. 2	.185"	.328"
R-84010, R-84011, R-84012, R-84013, R-84020	—	No. 1	—	—
R-84023	Index	No. 1	.185"	.328"
R-84018	Index	No. 1	.305"	.275"