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.

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<th>Carburetor Number</th>
<th>Choke Cap Setting</th>
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<th>Choke Unloader</th>
<th>Choke Quality</th>
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