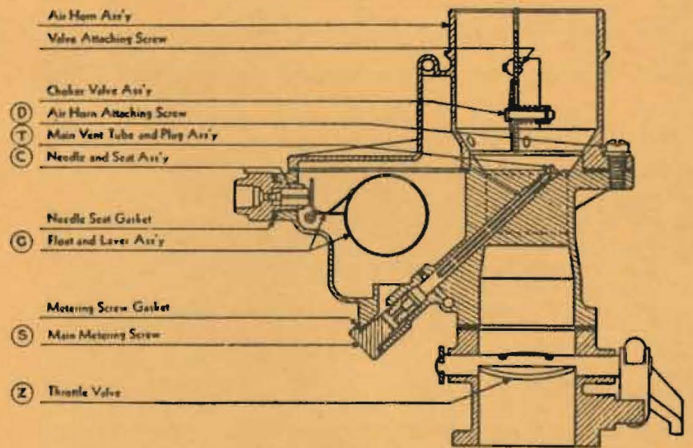
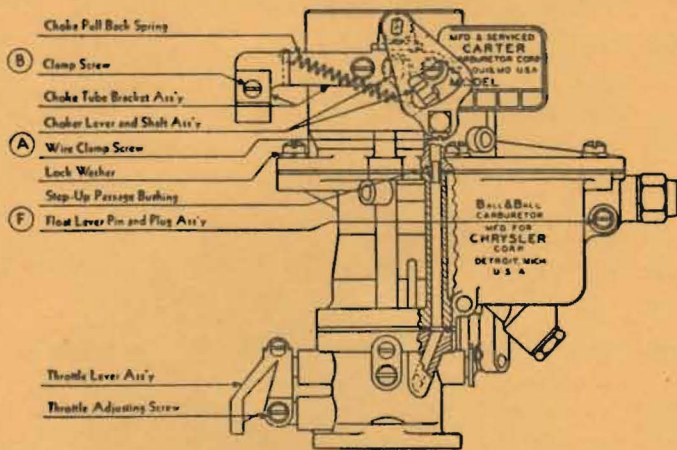


SERVICING INSTRUCTIONS

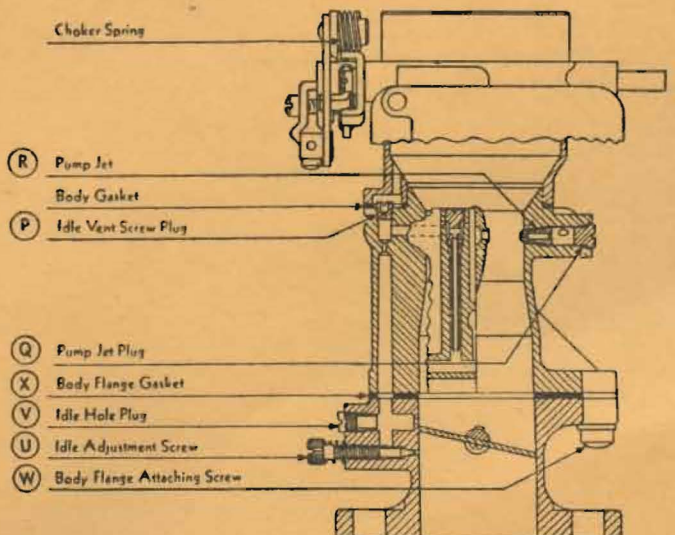
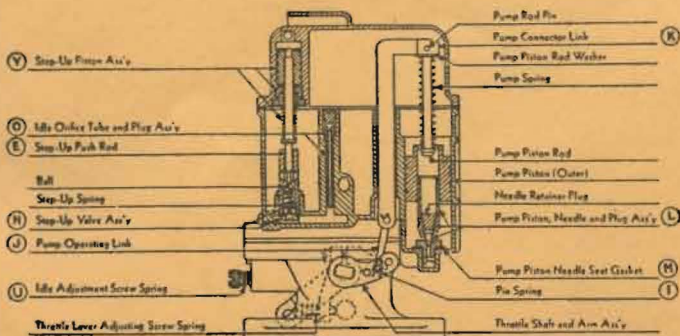
Model BB Downdraft Carburetors



(Obtain clean pan for parts)

1. Remove air cleaner.
2. Disconnect choke tube and wire by loosening screws (A) and (B). If car has automatic choke, disconnect from carburetor.
3. Disconnect throttle rod.
4. Disconnect gas line from needle seat (C). Hold fitting in needle seat with wrench while unscrewing fitting on gas line.
5. Remove flange nuts. Take care not to drop washers into manifold when removing carburetor.
6. Remove air horn attaching screws (D). Do not lose lock washers.
7. Lift off body gasket.
8. Remove step-up push rod (E).
9. Drain carburetor.
10. Remove float lever pin and plug assembly (F).
11. Remove float and lever assembly (G).
12. Remove needle and seat assembly (C). Be careful not to drop intake needle.

13. Unscrew and remove step-up valve assembly (H). Also any ball checks in bowl of carburetor.
 14. Remove pin spring (I).
 15. Remove pump operating link (J).
 16. Remove pump rod and piston assembly by pulling upward on pump connector link (K).
- Note: Early 1933 BB downdraft carburetors do not have parts mentioned in items 17 and 18.**
17. Remove pump piston, needle and plug assembly (L) by turning carburetor upside down. Hold hand over pump cylinder to avoid dropping assembly and damaging needle.
 18. Remove pump piston needle seat and gasket assembly (M). Be careful not to drop steel ball.
 19. Remove idle orifice tube assembly (O).



20. Remove idle vent screw plug (P).
 21. Remove pump jet plug (Q).
 22. Remove pump jet (R). Use properly fitting screw driver to avoid damaging jet.
 23. Remove main metering screw (S).
 24. Remove main vent tube and plug assembly (T).
 25. Remove idle adjustment screw and spring (U).
 26. Remove idle hole plug (V).
 27. Remove body flange attaching screws (W).
 28. Remove body flange gasket (X).
 29. Remove step-up piston assembly (Y) from upper casting.
 30. Remove small gasket found under step-up piston.
 31. Do not remove throttle valve (Z) unless damaged or worn at throttle shaft.
 32. Remove small jet (power orifice) from step-up valve assembly (H). Do not lose steel ball or spring inside assembly.
 33. Wash all parts and body casting in clean gasoline. Then blow through all passages in carburetor body and parts with dry air. Make sure all are free of any foreign substance. Look over all parts carefully. If any are worn or damaged replace with new parts.
- TO REASSEMBLE CARBURETOR**
34. Attach throttle body to main body casting using new body flange gasket (X).
 35. Surface upper casting if warped, before replacing, to insure tight seal against lower body.
 36. Replace idle adjustment screw and spring (U) in lower hole in casting.
 37. Replace idle hole plug (V) in proper hole.
 38. Reassemble step-up valve assembly (H). Put steel ball in housing first, then spring, then screw in jet (power orifice). Replace assembly in carburetor body.
 39. Replace idle orifice tube and plug assembly (O).
 40. Replace idle vent screw plug (P).
 41. Replace main vent tube and plug assembly (T).
 42. Replace ball checks if any.
 43. Replace steel ball in pump cylinder. Be careful NOT to get it in center hole of pump cylinder.
 44. Replace pump piston needle seat and gasket assembly (M). Be sure jet is screwed in tight.
 45. Replace pump piston needle and plug assembly (L). Test small piston in outer pump piston and see that it does not hang, but moves freely.
 46. Replace plunger assembly mentioned in paragraph 16. Hold carburetor on its side with idle adjustment screw down. Start connector link in guide, and plunger into pump cylinder. Do not drop small plunger from its correct position.
 47. Replace pump operating link (J).
 48. Replace pin spring (I).
 49. Replace needle and seat assembly (C).
 50. Replace float and lever assembly (G). Check float according to specifications. Be sure lip of float rests at a right angle to intake needle to insure free movement of needle in seat.
 51. Replace float lever pin and plug assembly (F).
 52. Check float level setting to specified level (see catalog page).
 53. Replace step-up push rod (E). Be sure rod rests small end downward.
 54. Replace step-up piston gasket (use new gasket).
 55. Replace step-up piston assembly in upper casting.
 56. Replace body gasket (use new gasket).
 57. Install step-up passage bushing (No. 38A-26) whether or not carburetor was originally equipped with this part.
 58. Replace upper casting. Turn each screw a little at a time until all are seated tightly.
 59. Replace pump jet (R). Be sure it is tightly seated.
 60. Replace pump jet plug (Q).
 61. Replace main metering screw (S) and gasket.
 62. Replace carburetor on motor.
 63. Connect gas line to needle seat (C).
 64. Tighten flange nuts. Be careful to pull them down evenly.
 65. Connect choke tube and wire. Make certain that choke control knob on dashboard is all the way in, and that choke valve in carburetor is fully open.
 66. Connect throttle rod.
 67. Wash air cleaner in clean gasoline, and dry with air. Install on carburetor.