SERVICE PROCEDURE

WGD DUAL CLIMATIC CONTROL CARBURETER

1. Remove dust cover screws, cover and gasket.

2. Remove clevis clips, throttle connector rod and choke connector rod.

3. Remove bowl cover with all parts attached.

4. Remove body flange screws, flange assembly and gasket.

5. Remove all parts from bowl cover.

6. Remove all parts from carbureter body, except nozzles, and other pressed in parts.

7. Remove all parts from body flange assembly.
   *See Note.

TO REASSEMBLY

8. Group all parts controlling gasoline level.

9. Group all parts controlling idle operation.

10. Group all parts controlling high speed operation.

11. Group all parts controlling pump operation.

12. Group all parts controlling choke operation.

*NOTE: Wash all parts in carbureter cleaning solution, except thermostatic coil and housing assembly, starter switch parts and pump plunger. Do not soak bowl cover assembly for more than one-half hour.

Note carefully slots in choke piston cylinder. If they are carbonized, remove Walsh plug by piercing center with a small pointed instrument and prying outward. Be careful not to damage casting. Blow out all passages with compressed air and scrape carbon from bore of flange. Replace all worn or damaged parts and all gaskets.

14. Install throttle valves. Small "c" in circle should be toward idle port (A) when viewing casting from manifold side. Center throttle valves by tapping lightly and holding in place with fingers before tightening screws. Always use new screws.

15. Install throttle centering washer (B). With throttle closed, press shaft from lever side and install throttle centering washer with prongs extending outward. Press washer tight against casting.

16. Install idle port rivet plugs, then idle adjustment screws and springs. Adjust to specifications.

17. Install low speed jet assemblies (C). No gaskets are used.

18. Assemble body casting to flange. Use new gasket.

19. Pump circuit. Install intake ball check (D), retainer ring (E) and strainer (F). Use Tool 710B-122U.

20. Install discharge check needle (G) (point downward), pump jet cluster gasket (H), pump jet cluster and screw (I). Always use new gasket.

21. Install lower pump spring and plunger assembly.

22. Float circuit. Install bowl strainer gauze and nut and gasket assembly.

23. Install needle seat and gasket assembly.

24. Attach intake needle and pull clip (K) to float tip (when a pull clip is used). Install float and lever assembly and float lever pin. Set float to specifications. Then install new bowl cover gasket.

25. Install metering rod jets (L). No gaskets are used.

26. Install vacuum meter piston link and metering rod spring (M), lip on link extending toward air horn.
27. Install vacuum meter piston (N) on link with pin extending away from float. (See illustration.) Install bowl cover gasket. Always use new gasket.

28. Install vacuum spring (O) in cylinder and assemble bowl cover on body. Install bowl cover screws, tightening center screw first.

29. Install pump connector link (P) in proper hole of pump arm. (See Specifications.) Install pin spring. Insert the lower end of connector link in hole in plunger shaft. Hold pump arm (R) in place and press shaft through arm. Hold metering rod arm (S) with lip extending through slot in vacuum meter piston link and press shaft in place. Tighten pump arm screw.

30. Install throttle shaft lever, washer and screw (T). Install throttle connector rod and clevis clips.


32. Install metering rods. Catch metering rod spring loop with lower end of metering rod as rods are inserted. Adjust metering rods in following manner: Back out throttle lever adjusting screw so throttle valves seat. Loosen metering rod arm set screw. Press down on vacuum meter link (U) until metering rods bottom in body casting. With tongue on metering rod arm touching lip (top of slot) of link, tighten set screw. Install dust cover, gasket and screws.

33. Choke circuit. Install fast idle cam and spring.

34. Install choke piston, lever, link and shaft.

35. Connect the fast idle cam spring (V) to the choke piston lever.

36. Install choke valve. Use new screws. Choke valve to be installed with circle "C" visible from top of the carburetor with valve in closed position. Seat choke valve by tapping lightly, hold in place with finger before tightening screws. Valve or shaft must not bind in any position.

37. Install fast idle link, choke connector rod and clevis clip.

38. Install choke trip lever assembly.

39. Fast idle adjustment. With choke valve tightly closed, adjust by bending choke connector rod or lower angle (W) to give clearance (see specifications) between the throttle valve and bore of carburetor (side opposite port). Use bending Tool T109-41.

40. Unloader adjustment. With throttle valves wide open, bend lip (X) on choke trip lever to get clearance (see specifications) between top edge of choke valve and inner wall of air horn. Use bending Tool T109-187.
41. Install choke baffle plate and gasket.

42. Install thermostatic coil and housing assembly, retainers and screws.
    Install housing with index marks to bottom. Revolve housing in direction opposite to that of arrow, set index marks (V) to specifications. Tighten attaching screws.

**STARTER SWITCH**
(Where Used)

43. Group all parts for starter switch.

44. Install switch strainer.

45. Install switch ball, switch plungers (notch up), guide block and "W" shaped switch contact spring.
    Reinstall original shims under contact spring.

46. Install switch return spring, terminal cap assembly, hold down clip and attaching screw. Set switch to specifications.

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**Note:** The specifications referred to in this procedure are detailed in catalog pages issued for each Carter carburetor. These pages can be obtained from Carter Carburetor Corporation, Catalog Department, St. Louis (7), Missouri. Please specify the carburetor number found on the brass identification tag, when requesting specifications.