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**Fig. 5. Carburetors—schematic sectional view—lower part of illustration shows differences.**  
 Arrows show cold air flow into "U" tube (10) and hot air flow from "U" tube through automatic choke mechanism into inlet manifold.  
 A is cross section and end view of automatic choke mechanism.

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| <ul style="list-style-type: none"> <li>1. BI-METAL SPRING—LARGE—OPERATING CHOKE VALVE</li> <li>2. BI-METAL SPRING—SMALL—OPERATING STEPPED CAM (7)</li> <li>3. VACUUM FEED PASSAGE—THROUGH WHICH HEATED AIR FROM "U" TUBE (10) IS DRAWN</li> <li>4. VACUUM KICK PISTON</li> <li>5. CHOKE VALVE SPINDLE</li> <li>6. LINK AND LEVER—CONNECTING VACUUM KICK PISTON (4) AND CHOKE VALVE SPINDLE (5)</li> <li>7. STEPPED CAM</li> <li>8. LEVER—USED TO OPEN THROTTLE TO FAST IDLE, OR TO OPEN CHOKE VALVE, WHEN PARTLY CLOSED, IF ACCELERATOR PEDAL IS MOVED HALF WAY OR BEYOND</li> <li>9. HOT AIR FEED PIPE FROM "U" TUBE (10)</li> <li>10. "U" TUBE—HEATED BY EXHAUST GASES</li> <li>11. EXHAUST MANIFOLD</li> <li>12. CHOKE (STRANGLER) VALVE</li> <li>13. AIR CORRECTION JET AND EMULSION TUBE B30 PIHT</li> <li>13A. AIR CORRECTION JET AND EMULSION TUBE B30 PIHT-2</li> <li>13B. AIR CORRECTION JET AND EMULSION TUBE B30 PIHT-3 and B30 PIH-5</li> <li>14. SLOW RUNNING JET AIR BLEED</li> <li>15. COLD AIR FEED—TO "U" TUBE (10)</li> <li>16. SLOW RUNNING (PILOT) JET</li> <li>17. FLOAT NEEDLE VALVE AND SEATING</li> <li>18. FLOAT LEVER ARM—ALL CARBURETTORS EXCEPT B30 PIHT-2</li> <li>18A. FLOAT LEVER ARM—B30 PIHT-2 only</li> <li>*19. CHOKE TUBE (VENTURI) B30 PIHT and B30 PIHT-2 only</li> </ul> | <ul style="list-style-type: none"> <li>20. ECONOSTAT JET</li> <li>21. ECONOSTAT DISCHARGE TUBE</li> <li>22. ACCELERATOR PUMP INJECTOR TUBE</li> <li>23. ACCELERATOR PUMP DISCHARGE VALVE—ALSO CALLED ANTI-REVERSAL VALVE</li> <li>24. ACCELERATOR PUMP DIAPHRAGM AND PLUNGER</li> <li>25. ACCELERATOR PUMP OPERATING LEVER</li> <li>26. DIAPHRAGM RETURN SPRING</li> <li>27. ACCELERATOR PUMP NON-RETURN VALVE</li> <li>28. INTERNAL PASSAGES IN CARBURETTOR BODY</li> <li>29. FLOAT—B30 PIHT</li> <li>29A. FLOAT—ALL CARBURETTORS EXCEPT B30 PIHT</li> <li>30. MAIN WELL</li> <li>31. MAIN WELL BALL VALVE—B30 PIHT only</li> <li>32. MAIN JET AND HOLDER</li> <li>33. SLOW RUNNING MIXTURE VOLUME CONTROL SCREW</li> <li>34. SLOW RUNNING MIXTURE OUTLET</li> <li>35. BY-PASS ORIFICE (PROGRESSION HOLE)</li> <li>36. THROTTLE</li> <li>37. MAIN SPRAYING ORIFICE</li> <li>38. MAIN JET—ALL CARBURETTORS EXCEPT B30 PIHT</li> <li>39. MAIN JET COVER PLUG</li> <li>40. SLOW RUNNING (PILOT) JET FEED B30 PIHT and B30 PIHT-2</li> <li>40A. SLOW RUNNING (PILOT) JET FEED B30 PIHT-3 and B30 PIH-5</li> </ul> |
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\* For B30 PIHT-3 and B30 PIH-5 see item 58A, Fig. 18.