

## 1960-63 "V8" BUICK

AFB FOUR-BORE DOWN-DRAFT CLIMATIC CONTROL CARBURETORS Nos. 2981S - 2982S - 3088S - 3089S - 3297S-SA - 3503S-SA - 3578S - 3579S

| YEAR AND MODEL        | ENGINE DISPL. | ORIGINAL CARB. NO. | SERVICE CARB. NO. | ZIP KIT NO. | GASKET SET NO. |      |
|-----------------------|---------------|--------------------|-------------------|-------------|----------------|------|
| 1960 4400             | A/T           | 364                | 2981S             | 2982S       | 902-150        | 323A |
| 4600, 4700, 4800      | A/T           | 401                | 2982S             | 2982S       | 902-150        | 323A |
| 1961 4400             | A/T           | 364                | 3089S             | 3578S       | 902-185        | 495  |
| 4600, 4700, 4800      | A/T           | 401                | 3088S             | 3578S       | 902-185        | 495  |
| 1962 4400, 4600, 4800 | A/T           | 401                | 3297S-SA          | 3578S       | 902-185        | 495  |
| 1963 4400, 4800       | A/T           | 401                | 3503S-SA          | 3578S       | 902-185        | 495  |
| 4600, 4700            | A/T           | 425                | 3578S             | 3578S       | 902-185        | 495  |
| 1963 4600, 4700       | S/T           | 425                | 3579S             | 3579S       | 902-185        | 495  |

### CARBURETOR SPECIFICATIONS FOR BUICK 8 CYLINDERS, VACUUM AT IDLE 15 TO 16 INCHES

| Carb. No. | Thro. Bore Prim. Sec. Size                   | Main Venturi Prim. Sec. Size                 | Vents Air Horn & Body Amt. | Low Speed Jet Size | By-Pass Size | Econ. Size | Idle Bleed Size | Idle Port Size        | Anti-percolator Bleed Size | Main Vent Tube Amt. Side Holes | Sec. Pick Up Tube & Discharge Port Size | Pump Jet Size | Choke Setting | Vacuum Spark Port Size |
|-----------|----------------------------------------------|----------------------------------------------|----------------------------|--------------------|--------------|------------|-----------------|-----------------------|----------------------------|--------------------------------|-----------------------------------------|---------------|---------------|------------------------|
| 2981S     | 1 $\frac{1}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 1 $\frac{3}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 13                         | .0465              | .053         | .038       | .053            | .200 x .030           | .028 (P)<br>.040 (S)       | 2 (P)                          | .040 (T)<br>.0512 (P)                   | .028          | 2 P. Rich     | .130 x .040            |
| 2982S     | 1 $\frac{1}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 1 $\frac{3}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 13                         | .0465              | .053         | .038       | .053            | .200 x .030           | .028 (P)<br>.040 (S)       | 2 (P)                          | .040 (T)<br>.0512 (P)                   | .028          | 2 P. Rich     | .130 x .040            |
| 3088S     | 1 $\frac{1}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 1 $\frac{3}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 13                         | .033               | .051         | .042       | .053            | .200 x .030 x<br>.051 | .036 (P)<br>.031 (S)       | 6 (P)<br>3 (S)                 | .052 (P)                                | .028          | Index         | .130 x .040            |
| 3089S     | 1 $\frac{1}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 1 $\frac{3}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 13                         | .033               | .051         | .042       | .053            | .200 x .030 x<br>.051 | .036 (P)<br>.031 (S)       | 6 (P)<br>3 (S)                 | .052 (P)                                | .028          | Index         | .130 x .040            |
| 3297S-SA  | 1 $\frac{1}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 1 $\frac{3}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 13                         | .033               | .051         | .043       | .053            | .200 x .030 x<br>.051 | .036 (P)<br>.031 (S)       | 6 (P)<br>3 (S)                 | .052 (P)                                | .028          | Index         | .130 x .040            |
| 3503S-SA  | 1 $\frac{1}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 1 $\frac{3}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 13                         | .035               | .051         | .043       | .053            | .200 x .030 x<br>.051 | .036 (P)<br>.031 (S)       | 6 (P)<br>3 (S)                 | .052 (P)                                | .028          | Index         | .130 x .040            |
| 3578S     | 1 $\frac{1}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 1 $\frac{3}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 13                         | .031               | .0472        | .043       | .0465           | .185 x .030           | .036 (P)<br>.031 (S)       | 6 (P)<br>3 (S)                 | .031 (T)<br>.055 (P)<br>.031 (P)        | .028          | Index         | .130 x .040            |
| 3579S     | 1 $\frac{1}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 1 $\frac{3}{16}$ (P)<br>1 $\frac{1}{16}$ (S) | 13                         | .031               | .0452        | .043       | .0465           | .185 x .030           | .036 (P)<br>.031 (S)       | 6 (P)<br>3 (S)                 | .0535 (T)<br>.055 (P)<br>.031 (P)       | .028          | Index         | .130 x .040            |

### MOTOR TUNE-UP - BE ACCURATE!

|                         |                                |                                                                                   |                                  |                                                                                                                                        |
|-------------------------|--------------------------------|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Spark Plug Gap<br>.033" | Breaker Point Setting<br>.015" | Ignition Timing<br>Breaker Points to Open:<br>12° B.T.D.C.<br>At Vibration Damper | Float Setting<br>See Adjustments | Idle Adjustment<br>Screw Setting<br>¼ to 1¼ Turns Open<br>Idle Engine at 475 to<br>525 R.P.M. All/Trans. in<br>Neutral .575 w/A/C Off. |
|-------------------------|--------------------------------|-----------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|



# CARBURETOR ADJUSTMENTS

## Adjustments Illustrated on Service Procedure Form 3701

**FLOAT ALIGNMENT:** Side of floats parallel to edge of casting. Minimum clearance between lever and air horn lugs without binding. To adjust, bend float lever.

**FLOAT LEVEL:** 15/64 inch with solid seat, 13/64 inch with resilient seat plus or minus 1/64 inch between top of floats (at outer end) and air horn gasket. To adjust, bend float lever.

**FLOAT DROP:** 23/32 inch plus or minus 1/16 inch between top of floats (at outer end) and air horn gasket. To adjust, bend stop tabs on float brackets.

**PUMP:** 7/16 inch (all except 2981S - 2982S) 1/2 inch (2981S - 2982S) from the top of the bowl cover to the top of the plunger shaft, with throttle connector rod in center hole of pump arm with throttle valves tightly closed. To adjust, bend throttle connector rod.

**CHOKE PISTON LINKAGE ADJUSTMENT:** (1) Bend a .026 inch wire gauge at a 90° angle approximately 1/8 inch from its end. (2) Open the choke valve and insert the wire gauge so that the bent portion is between the top of the slot in the choke piston cylinder and the bottom of the slot in the piston. Hold the wire gauge in position and close the choke valve by pressing on the piston lever in the choke housing until resistance is felt. There should now be 3/32 inch between the top of the choke valve and the air horn. (3) To adjust, bend choke connector rod.

**FAST IDLE LINKAGE ADJUSTMENT:** With choke valve closed index mark on cam should align with adjusting screw. To adjust, bend fast idle connector rod.

**NOTE:** It may be necessary to bend stop lug on fast idle cam.

**FAST IDLE THROTTLE VALVE CLEARANCE:** (2981S -

2982S) .020 inch (all others) .030 inch between lower edge of valve and bore with adjusting screw on index mark of cam.

**FAST IDLE ON CAR:** 650 R.P.M. hot engine with fast idle screw at end of bottom step of cam.

**UNLOADER:** 7/32 inch between upper edge of choke valve and inner wall of air horn with throttle valves wide open. To adjust, bend unloader lip on throttle lever.

**SECONDARY THROTTLE LEVER ADJUSTMENT:** (1) Block choke valve wide open. (2) With 23/64 inch between lower edge of primary valve and bore (opposite idle port) secondary valves should just start to open. To adjust, bend throttle operating rod. **NOTE:** Secondary throttle valves will be a few degrees from wide open when primary valves are wide open. Upper edge of secondary valve should just contact auxiliary valve when auxiliary valve is wide open. If necessary, bend stop lug on secondary lever to prevent secondary valves from going past wide open. (3) With primary and secondary throttle valves tightly closed, there should be .010 to .030 inch between positive closing shoes on primary and secondary throttle lever. To adjust, bend shoe on secondary lever.

**SECONDARY THROTTLE LOCK-OUT ADJUSTMENT:** Crack throttle valves and manually open and close the choke valve. Tang on secondary throttle lever should freely engage in notch of lockout dog. To adjust, bend tang on secondary throttle lever.

**CAR STARTER SWITCH ADJUSTMENT:** (2981S - 2982S). Should contact between 19/64 inch and 9/16 inch travel to top edge of throttle lever stop lug and idle speed screw. (Idle speed screw just touching stop lug with valve seating.) To adjust, add or remove shims from switch.

## PARTS LIST

| Part No. | PART NAME                                                           | Part No. | PART NAME                                                                                   |
|----------|---------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------|
| 1A-119   | Flange gasket                                                       | 16-129   | Step-up rod (.0705" x .0615") 1 size lean (2981S)                                           |
| 2-196    | Secondary throttle valve                                            | 16-131U  | Step-up rod, package (2) 16-128, (2) 61-400 and (2) 120-177; 2 sizes lean (2982S)           |
| 2-211    | Primary throttle valve                                              | 16-132U  | Step-up rod, package (2) 16-130, (2) 61-400 and (2) 120-222; 2 sizes lean (2981S)           |
| 3-1074S  | Secondary throttle shaft and lever assy. (all except 2981S - 2982S) | 16-167   | Step-up rod (.0695" x .063") std. (3088S - 3297S-SA - 3578S)                                |
| 3-1140S  | Secondary throttle shaft and lever assy. (2981S - 2982S)            | 16-168   | Step-up rod (.0695" x .0605") (3089S) std.                                                  |
| 3-1216S  | Primary throttle shaft and lever assy. (2981S - 2982S)              | 16-187U  | Step-up rod, package (2) 16-189, (2) 61-400 and (2) 120-194; 1 size lean (3088S - 3297S-SA) |
| 3-1317S  | Primary throttle shaft and lever assy. (all except 2981S - 2982S)   | 16-188U  | Step-up rod, package (2) 16-190, (2) 61-400 and (2) 120-194; 1 size lean (3089S)            |
| 3-1277S  | Auxiliary throttle shaft valve and weight assy. (all except 3579S)  | 16-219   | Step-up rod (.0685" x .063") std. (3503S-SA - 3579S)                                        |
| 3-1441S  | Auxiliary throttle shaft, valve and weight assy. (3579S)            | 16-252U  | Step-up rod, package (2) 16-255, (2) 61-400 and (2) 120-233; alt. (3503S-SA)                |
| 4A-164   | Primary throttle shaft dog (2981S - 2982S)                          | 16-253U  | Step-up rod, package (2) 16-256, (2) 61-400 and (2) 120-165; alt. (3578S)                   |
| 4A-175   | Primary throttle shaft dog (all except 2981S - 2982S)               | 16-254U  | Step-up rod, package (2) 16-255, (2) 61-400 and (2) 120-165; alt. (3579S)                   |
| 4A-180S  | Primary throttle shaft dog and screw assy. (2981S - 2982S)          | 17-51    | Pump discharge check needle                                                                 |
| 7-235    | Choke valve                                                         | 20-43    | Piston housing gasket                                                                       |
| 11B-35   | Rivet plug                                                          | 20-127   | Fuel inlet fitting gasket                                                                   |
| 11B-79   | Rivet plug                                                          | 20-204   | Needle seat gasket                                                                          |
| 11B-134  | Passage plug (Use 11B-406)                                          | 21-179S  | Float and lever assy.                                                                       |
| 11B-194  | Pipe plug (3297S-SA - 3578S - 3579S)                                | 24-29    | Float lever pin                                                                             |
| 11B-378  | Pipe plug (3297S-SA)                                                | 25-407S  | Needle and seat assy. (Brass Seat) (2981S - 2982S)                                          |
| 11B-385  | Fuel passage plug (use 11B-407)                                     | 25-438S  | Needle and seat assy. (Brass Seat) (all except 2981S - 2982S)                               |
| 11B-389  | Idle port rivet plug                                                | 25-736S  | Needle and seat assy. (Resilient Seat)                                                      |
| 11B-390  | Passage plug (all except 2981S - 2982S)                             | 30A-75   | Idle adjustment screw (3503S-SA - 3578S - 3579S)                                            |
| 11B-391  | Passage plug (2981S - 2982S)                                        | 30A-80   | Idle adjustment screw (all except 3503S-SA - 3578S - 3579S)                                 |
| 11B-406  | Passage plug (secondary)                                            | 39-11    | Choke valve attaching screw                                                                 |
| 11B-407  | Fuel passage plug                                                   | 47-30    | Piston housing welsh plug                                                                   |
| 11B-439  | Primary venturi plug (3578S - 3579S)                                | 47-33    | Primary venturi welsh plug (all except 2981S - 2982S - 3578S - 3579S)                       |
| 14-568S  | Choke lever and shaft assy. (all except 2981S - 2982S)              | 47-34    | Spark port welsh plug                                                                       |
| 14-605S  | Choke lever and shaft assy. (2981S - 2982S)                         | 47-36    | Secondary venturi welsh plug                                                                |
| 14-609S  | Choke piston lever and link assy.                                   | 48-264S  | Pump jet and housing assy.                                                                  |
| 14-612S  | Choke shaft and lever assy. (piston housing)                        | 49-128   | Switch plunger (2981S - 2982S)                                                              |
| 14-619   | Choke shaft lever                                                   | 53A-412  | Lockout dog                                                                                 |
| 14-620   | Cam trip lever                                                      | 53A-430  | Secondary throttle operating lever                                                          |
| 15-58S   | Fuel inlet fitting assy. (3088S - 3089S - 3297S-SA)                 |          |                                                                                             |
| 16-123   | Step-up rod (.0695" x .060") (2981S) std.                           |          |                                                                                             |
| 16-124   | Step-up rod (.069" x .0635") (2982S) std.                           |          |                                                                                             |
| 16-127   | Step-up rod (.070" x .06475") 1 size lean (2982S)                   |          |                                                                                             |

| Part No. | PART NAME                                                                            | Part No.   | PART NAME                                                                     | PAGE 3 |
|----------|--------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------|--------|
| 58-151S  | Secondary venturi assy. (choke side) (2981S - 2982S) . . . . .                       | 115-285    | Choke connector rod . . . . .                                                 |        |
| 58-152S  | Secondary venturi assy. (pump side) (2981S - 2982S) . . . . .                        | 115-309    | Throttle operating rod (2981S - 2982S) . . . . .                              |        |
| 58-347S  | Secondary venturi assy. (choke side) (3088S - 3089S - 3297S-SA - 3503S-SA) . . . . . | 115-314    | Fast idle connector rod . . . . .                                             |        |
| 58-348S  | Secondary venturi assy. (pump side) (3088S - 3089S - 3297S-SA - 3503S-SA) . . . . .  | 115-317    | Throttle operating rod (all except 2981S - 2982S) . . . . .                   |        |
| 58-467S  | Primary venturi assy. (choke side) (2981S - 2982S) . . . . .                         | 115-322    | Throttle connector rod (2981S - 2982S) (use 115-372) . . . . .                |        |
| 58-468S  | Primary venturi assy. (pump side) (2981S - 2982S) . . . . .                          | 115-323    | Throttle connector rod (3088S - 3089S - 3297S-SA) (use 115-372) . . . . .     |        |
| 58-536S  | Primary venturi assy. (choke side) (3088S - 3089S - 3297S-SA) . . . . .              | 115-372    | Throttle connector rod . . . . .                                              |        |
| 58-537S  | Primary venturi assy. (pump side) (3088S - 3089S - 3297S-SA) . . . . .               | 116-19     | Switch ball (2981S - 2982S) . . . . .                                         |        |
| 58-696S  | Primary venturi assy. (choke side) (3503S-SA) . . . . .                              | 117-182    | Pump connector link (3297S-SA - 3503S-SA) . . . . .                           |        |
| 58-697S  | Primary venturi assy. (pump side) (3503S-SA) . . . . .                               | 117-190    | Pump connector link (all except 3297S-SA - 3503S-SA) . . . . .                |        |
| 58-721S  | Secondary venturi assy. (choke side) (3578S) . . . . .                               | 120-158    | Secondary metering jet (.082") (3088S - 3297S-SA - 3503S-SA) . . . . . (2)    |        |
| 58-722S  | Secondary venturi assy. (pump side) (3578S) . . . . .                                | 120-159    | Secondary metering jet (.089") (3578S) . . . . .                              |        |
| 58-725S  | Primary venturi assy. (choke side) (3579S) . . . . .                                 | 120-165    | Secondary metering jet (.086") (3579S) . . . . . (2)                          |        |
| 58-726S  | Primary venturi assy. (pump side) (3579S) . . . . .                                  | 120-166    | Primary metering jet (.0935") (2981S - 2982S) . . . . . (2)                   |        |
| 58-731S  | Secondary venturi assy. (choke side) (3579S) . . . . .                               | 120-175    | Secondary metering jet (.073") (2981S) . . . . . (2)                          |        |
| 58-732S  | Secondary venturi assy. (pump side) (3579S) . . . . .                                | 120-194    | Secondary metering jet (.0785") (2982S) . . . . . (2)                         |        |
| 58-743S  | Primary venturi assy. (choke side) (3578S) . . . . .                                 | 120-256    | Primary metering jet (.092") (all except 2981S - 2982S) . . . . . (2)         |        |
| 58-744S  | Primary venturi assy. (pump side) (3578S) . . . . .                                  | 120-257    | Secondary metering jet (.0846") (3089S) . . . . . (2)                         |        |
| 61-58    | Fast idle adjusting screw spring (all except 2981S - 2982S) . . . . .                | 121-78     | Coil housing gasket . . . . .                                                 |        |
| 61-84    | Idle adjustment screw spring . . . . . (2)                                           | 121-287    | Pump jet housing gasket . . . . .                                             |        |
| 61-171   | Pump spring (lower) . . . . .                                                        | 121-288    | Primary venturi cluster gasket (2981S - 2982S) . . . . . (2)                  |        |
| 61-243S  | Contact spring and washer assy. (2981S - 2982S) . . . . .                            | 121-292    | Air horn gasket . . . . .                                                     |        |
| 61-259   | Vacuum piston spring . . . . . (2)                                                   | 121-293    | Secondary venturi cluster gasket (all except 3578S - 3579S) . . . . . (2)     |        |
| 61-291   | Throttle lever adjusting screw spring . . . . .                                      | 121-302    | Primary venturi cluster gasket (all except 2981S - 2982S) . . . . . (2)       |        |
| 61-388   | Switch return spring (2981S - 2982S) . . . . .                                       | 121-314    | Thermostatic valve gasket . . . . .                                           |        |
| 61-483   | Secondary throttle return spring . . . . .                                           | 121-511    | Secondary venturi cluster gasket (3578S - 3579S) . . . . . (2)                |        |
| 61-585   | Step-up rod retaining spring . . . . . (2)                                           | 122-108S   | Pump intake ball check assy. . . . .                                          |        |
| 61-623   | Throttle flex spring . . . . .                                                       | 136-159    | Primary throttle shaft washer . . . . .                                       |        |
| 61-624   | Fast idle cam spring . . . . .                                                       | 136-160    | Secondary throttle shaft washer . . . . .                                     |        |
| 61-641   | Primary throttle shaft dog spring (2981S - 2982S) . . . . .                          | 136-174    | Throttle lever adjusting screw washer . . . . .                               |        |
| 63-58    | Coil housing retainer . . . . . (3)                                                  | 136-219    | Choke piston lever retaining washer . . . . .                                 |        |
| 64-209S  | Pump plunger, rod and spring assy. (2981S - 2982S) . . . . .                         | 150-190    | Choke piston pin . . . . .                                                    |        |
| 64-217S  | Pump plunger, rod and spring assy. (all except 2981S - 2982S) . . . . .              | 150A-10    | Pin spring . . . . . (6)                                                      |        |
| 65-43    | Step-up piston cover plate . . . . . (2)                                             | 153-11     | Switch contact spring shim (.018") (2981S - 2982S) . . . . .                  |        |
| 101-65   | Choke shaft lever attaching screw . . . . . (2)                                      | 153-12     | Switch contact spring shim (.006") (2981S - 2982S) . . . . .                  |        |
| 101-74   | Throttle shaft lever attaching screw . . . . . (2)                                   | 156-116S   | Fuel inlet fitting assy. (2981S - 2982S - 3503S-SA - 3578S - 3579S) . . . . . |        |
| 101-136  | Coil housing attaching screw . . . . . (3)                                           | 160-128    | Choke piston (3503S-SA - 3578S - 3579S) . . . . .                             |        |
| 101-152S | Air horn attaching screw and washer assy. . . . .                                    | 160-134    | Choke piston (all except 3503S-SA - 3578S - 3579S) . . . . .                  |        |
| 101-184S | Pump jet housing attaching screw and washer assy. . . . . (2)                        | 160-207    | Step-up piston . . . . . (2)                                                  |        |
| 101-296  | Fast idle adjustment screw (2981S - 2982S) . . . . .                                 | 169-48S    | Thermostatic valve assy. (2981S - 2982S - 3088S - 3089S - 3297S-SA) . . . . . |        |
| 101-323  | Fast idle cam attaching screw . . . . .                                              | 169-92S    | Thermostatic valve assy. (3503S-SA - 3578S - 3579S) . . . . .                 |        |
| 101-325S | Switch attaching screw and washer assy. (2981S - 2982S) . . . . . (2)                | 170-658S   | Piston housing and plug assy. (2981S - 2982S) . . . . .                       |        |
| 101-362S | Air horn attaching screw and washer assy. . . . . (8)                                | 170-678S   | Piston housing and plug assy. (3088S - 3089S - 3297S-SA) . . . . .            |        |
| 101-379S | Secondary and primary venturi attaching screw and washer assy. . . . . (8)           | 170-785S   | Piston housing and plug assy. (3503S-SA - 3578S - 3579S) . . . . .            |        |
| 101-419  | Secondary throttle valve attaching screw . . . . . (4)                               | 170AC-478S | Thermostatic coil and housing assy. (all except 2981S - 2982S) . . . . .      |        |
| 101-420  | Primary throttle valve attaching screw . . . . . (4)                                 | 170AD-478S | Thermostatic coil and housing assy. (2981S - 2982S) . . . . .                 |        |
| 101-421  | Pump arm attaching screw . . . . .                                                   | 172-22     | Throttle connector rod retainer (use with 115-322 - 115-323) . . . . .        |        |
| 101-431S | Air horn attaching screw and washer assy. . . . .                                    | 172-31     | Cable clip (2981S - 2982S) . . . . .                                          |        |
| 101-435S | Step-up piston cover plate attaching screw and washer assy. . . . . (2)              | 181-87     | Switch guide block (2981S - 2982S) . . . . .                                  |        |
| 101-436  | Piston housing attaching screw . . . . . (3)                                         | 181-287S   | Fast idle cam assy. (2981S - 2982S) . . . . .                                 |        |
| 101-452  | Throttle lever adjusting screw . . . . .                                             | 181-293S   | Fast idle cam assy. (all except 2981S - 2982S) . . . . .                      |        |
| 101-453S | Thermostatic valve attaching screw and washer assy. . . . . (2)                      | 184-86S    | Switch terminal cap assy. (2981S - 2982S) . . . . .                           |        |
| 101-484  | Fast idle adjustment screw (all except 2981S - 2982S) . . . . .                      | 186-61     | Flange baffle plate (3088S - 3297S-SA - 3503S-SA) . . . . .                   |        |
| 103-14   | Lead shot (.180") . . . . .                                                          | 186-64     | Choke baffle plate (all except 3503S-SA - 3578S - 3579S) . . . . .            |        |
| 103-16   | Lead shot (.200") . . . . . (2)                                                      | 186-67S    | Choke baffle plate assy. (3503S-SA - 3578S - 3579S) . . . . .                 |        |
| 111-75   | Pump arm (2981S - 2982S) . . . . .                                                   | 186-70     | Fuel bowl baffle . . . . . (2)                                                |        |
| 111-76   | Pump arm (all except 2981S - 2982S) . . . . .                                        | 186-106    | Flange baffle plate (2981S - 2982S - 3089S - 3578S - 3579S) . . . . .         |        |
| 114-139  | Primary throttle shaft arm (inner) (2981S - 2982S) . . . . .                         | 192-38U    | Car starter switch unit (2981S - 2982S) . . . . .                             |        |
| 114-143  | Primary throttle shaft arm (outer) (2981S - 2982S) . . . . .                         |            |                                                                               |        |
| 114-146  | Primary throttle shaft arm outer (all except 2981S - 2982S) . . . . .                |            |                                                                               |        |
| 114-147  | Primary throttle shaft arm (inner) (all except 2981S - 2982S) . . . . .              |            |                                                                               |        |

NOTE: Figures in parentheses indicate number of pieces used in one carburetor. Where no figure is shown, only one is used.

NOTE: Parts not listed above are not available for servicing these carburetors.