

**CARTER®**FORM 5531  
MAY, 1968

# 1965-67

## "V8" BUICK

WGD DUAL DOWN-DRAFT CLIMATIC CONTROL CARBURETOR NO. 4560S

YEAR AND MODEL		ENGINE DISPL.	SERVICE CARB. NO.
1965-67	Special, LaSabre	300	4560S
1966-67	Special, LaSabre	340	4560S

### CARBURETOR SPECIFICATIONS

CARB. NO.	THRO. BORE SIZE	MAIN VENTURI SIZE	IDLE SPEED JET IN AIR HORN SIZE	IDLE BY-PASS IN AIR HORN SIZE	IDLE ECON. IN AIR HORN SIZE	IDLE BLEED IN AIR HORN SIZE	IDLE PORT IN FLANGE SIZE	PUMP JET SIZE	CHOKE SETTING	VACUUM SPARK PORT IN FLANGE SIZE
4560S	1-7/16	1-3/16	.033	.0595	.052	.0625	170 x 030	.028	INDEX	NONE

### MOTOR TUNE-UP — BE ACCURATE

Spark Plug Gap .035"	Breaker Point Setting 30° Dwell	Ignition Timing Breaker Points to Open: 2½ B. T. C. At Vibration Damper Vacuum Hose Disconnected	Float Setting See Adjustments	Idle R.P.M. 550 A/T In Drive 550 S/T
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## CARBURETOR ADJUSTMENTS

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

**FLOAT LEVEL:** 15/64" between top of float (at center) and bowl cover. (Bowl Gasket removed).  
To adjust: bend float lever.

**PUMP:** Flat on pump arm should parallel straight edge on dust cover boss. (Throttle valves tightly closed).  
To adjust: bend connector rod.

**METERING ROD ADJUSTMENT:** With throttle valves seated, press down on Vacuumer link to bottom metering rods in casting. With rods held in this position, revolve metering

rod arm until lip contacts vacuumer link then tighten set screw.

**CHOKE LEVER CLEARANCE:** .005" between lug on outer choke shaft lever and stop on inner choke shaft lever. (Choke valve tightly closed).  
To adjust: bend lug on outer choke shaft lever.

**FAST IDLE THROTTLE CLEARANCE:** .024" between lower edge of valve and bore with adjusting tang on high step of cam.  
To adjust: bend tang on throttle lever.

**UNLOADER:** 7/32" between top edge of choke valve and inner wall of air horn. (Throttle wide open).  
To adjust: bend unloader arm on throttle lever.

## PARTS LIST

PART NO.	PART NAME	PART NO.	PART NAME
1A-295	Flange gasket	101-300	Pump jet screw.
2-101	Throttle valve	101-307S	Air horn screw assembly. (8)
3-1674S	Throttle shaft and lever assembly	101-406	Idle speed screw.
7-223	Choke valve	101-558	Choke valve screw (2)
11-191S	Low speed jet assembly. (2)	101-564	Throttle valve screw (4)
11B-223	High speed passage plug (2)	103-14	Lead shot (4)
11B-393	Idle port rivet plug (2)	103-15	Lead shot (3)
14-512	Choke shaft lever	103-16	Lead shot (2)
14-514S	Choke piston lever, link & shaft assembly	111-52	Metering rod arm
14-525	Choke lever	111-61	Pump arm
17-70	Pump check needle	114-132	Throttle shaft arm
20-204	Needle seat gasket	115-255	Throttle connector rod
21-172S	Float and lever assembly	115-266	Choke connector rod
24-24	Float lever pin	116-13	Pump intake check ball
25-860S	Needle & seat assembly	117-133	Vacuumeter piston link
30A-76	Idle mixture screw (2)	117-159	Pump connector link
47-30	Piston housing welsh plug	118-121S	Dust cover.
48-349S	Pump jet assembly	120-389	Metering rod jet (.089") (2)
53A-391S	Pump operating lever & countershaft assembly.	121-78	Coil housing gasket
61-84	Idle speed screw spring (2)	121-158	Dust cover gasket.
61-135	Vacuum piston spring	121-241	Pump jet gasket
61-291	Throttle lever adjusting screw spring	121-270	Air horn gasket.
61-382	Metering rod spring	121-337	Body flange gasket
61-413	Pump spring (upper).	136-34	Choke shaft washer
61-558	Pump operating lever spring	136-38	Throttle shaft washer.
63-45	Pump check ball retainer ring	136-173	Pump link washer (2)
63-58	Coil housing retainer (3)	150-190	Choke piston pin.
64-185S	Pump plunger assembly	150A-10	Pin spring (3)
75-1804	Metering rod. (2)	156-144	Gas line nipple.
101-65	Choke lever screw	160-67S	Vacuum piston and pin assembly.
101-74	Throttle shaft arm screw	160-125	Choke piston
101-81	Fast idle cam screw	170AR-374S	Thermostatic coil and housing assembly
101-136	Coil housing screw (3)	172-22	Throttle connector rod retainer (lower).
101-149S	Body flange screw assembly (2)	172-24	Throttle connector rod retainer (upper).
101-152S	Body flange screw assembly (2)	181-223	Fast idle cam.
101-284	Piston housing attaching screw (3)	186-51S	Choke baffle plate assembly (2)
101-297S	Dust cover screw assembly (2)		

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