

Zenith Replacement Carburetors

by Phil Peters

As a follow up to the recent reprinting of the Special Interest Auto article from 1977 (Fall & Winter, 2015) and the continuing requests for modern replacement carburetors, I have assembled the following chart of all our Durant/Star/Flint/etc. engines with corresponding specifications and replacement Zenith part numbers. As pointed out by Norm Toone and other knowledgeable members, there were a number of errors concerning the model numbers and OEM brands in the SIA article. This chart represents the collective input from a number of helpful members and was done with engine model numbers. Car models were not always related to calendar years. Differences in production years, engine switches and other modifications make it impossible to tie down exact ranges.

Many members have requested information and some have been using replacement carburetors for decades. The Zenith updraft carburetor seems to be the most common. It resembles the original designs and from my personal experience works very well. The original carburetors that came with our Continental engines are now 80+ years old. Deteriorating metal castings, old seals, modern fuels and low volatility all create a situation that results in our cars not running as well as we would like.

The referenced Zenith part numbers can be sourced at local distributors in each state. Refer to zenithfuelsystems.com for names and local contact information. Since Zenith does

not print a list price for their carburetors, each dealer can set their own prices. Check a few dealers to see who has the better price.

These referenced Zenith part numbers were supplied by Mike Farmer, Application Engineer at Zenith in Bristol, VA, where the factory is now located. The Zeniths are a newer design universal carburetor which means they have multiple fuel, choke, and throttle hook up locations. In addition, there are air horn adaptors for modern air filters. They are compatible with modern ethanol fuels, have a robust inlet port, multiple venturi sizes and "back suction economizer" for part throttle fuel economy.

The models that were picked for our engines were determined by maximum air flow at 2,200 RPM for the 2 3/8" mounts (SAE size #1) and 2,600 RPM for the 2 11/16" mounts (SAE size #2). Typically the mountings got bigger when the engine displacement exceeded 200+ cubic inches. The 68 series carburetor is the smaller of the two specified and is the most used for the W4, W5, 14L and 15L engines. The 267 series carburetor is the bigger of the two specified and is used in the larger engine & higher RPM applications but does have a smaller (2 3/8") mounting for those who want to go at faster speeds with the smaller engines.

Please note that not all installations have been verified due to lack of specific engines being available to measure (some Flints). In addition, the Locomobiles were not included as information was not available at this time. ❖

See the chart on the facing page

**Zenith
Carburetor List
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Engine Mfg.	Engine #	Cylinders -Cu. In. Displace.	Bhp@rpm	Carb Type	Mounting Size-C. to C.	Zenith Model No.	Zenith P/N
Cont./Durant	A22	4 cyl- 200.5 cu.	35@1,800	Updraft	2 3/8"	68/267	13922/14991
Anstead	B22	6 cyl- 224.x cu.	70@?	Sidedraft	2 15/16"	N/A	N/A
Continental	W4	4 cyl- 130.4 cu.	N/A	Updraft	2 3/8"	68	14544
Continental	W5	4 cyl-152.1 cu.	36@2,400	Updraft	2 3/8"	68	14544
Continental	W8	4 cyl- 200.4 cu.	49@2,300	Updraft	2 3/8"	267	14995
Continental	6E	6 cyl-268.4 cu.	65@2,400	Updraft	2 11/16"	267	14997/14999
Continental	6W	6 cyl- 224.0 cu.	50@2,400	Updraft	2 3/8"	267	14995
Continental	9L	6 cyl-169.3 cu.	40@2,900	Updraft	2 11/16"	267	12994
Continental	14L	6 cyl-169.3 cu.	40@2,400	Updraft	2 3/8"	68/267	13922/14991
Continental	14L	6 cyl-185.0 cu.	43@2,400	Updraft	2 3/8"	68/267	13922/14991
Continental	14U	6 cyl-230.2 cu.	56@2,600	Updraft	2 11/16"	267	14999
Continental	15L	6 cyl-185.0 cu.	47@2,800	Updraft	2 3/8"	68/267	13922/14991
Continental	15U	6 cyl-248.2 cu.	70@3,000	Updraft	2 11/16"	267	14999
Continental	22A	6 cyl-199.1 cu.	58@3,100	Updraft	2 11/16"	267	14999
Continental	32A	6 cyl-214.7 cu.	85@3,400	Updraft	2 11/16"	267	14999
Continental	40A	6 cyl-214.7 cu.	70@3,400	Updraft	2 11/16"	267	14999
Continental	41A	6 cyl-214.7 cu.	80@3,400	Downdraft	2 11/16"	228	14275
Continental	C-400	4 cyl-143.1 cu.	40@2,800	Updraft	2 3/8"	267	14544
Continental	C-600	6 cyl-169.6 cu.	65@3,300	Downdraft	2 3/8"	N/A	N/A
Air Horn Adaptor	68 Series- C8-28	267 Series-C8-33					
Durant	A22/B22/W5/W8/14L/15L/15U/22A/32A						
Star	W4/W5/14L						
Flint	6E/6W/9L/14U						
Continental	C400/C600/41A						
DeVaux	40A						
Frontenac	22A/32A/C400/C600						
						PMP 5/5/16	