

1959 Corvette: Service Bulletin: Radiator Core Usage



Subject: Radiator Core Usage

Model and Year: 1959 Corvette

Source: Chevrolet Technical Service Bulletin

Bulletin No: TSB #615

Section: XIII

Date: August 5, 1959

CHEVROLET—CENTRAL OFFICE

DIVISION OF GENERAL MOTORS CORPORATION
DETROIT 2, MICHIGAN



TECHNICAL SERVICE BULLETIN

Service and Mechanical Department



SUBJECT: RADIATOR CORE USAGE-
1959 PASSENGER CARS

BULLETIN No. TSB # 615

SECTION XIII

TO: ALL CHEVROLET SERVICE PERSONNEL

August 5, 1959

Listed below are the Radiator Cores currently used in production in 1959 passenger cars and also cores available in service parts stock. All passenger car cores are 1-3/4" thick. Cores for 235" and 283" engines have a frontal area of 390.9 square inches. The core used with 348" engines has an area of 428.7 inches.

The following table shows the last four digits of the production part number, core usage, core constant, and number of convolutions per inch:

<u>PRODUCTION PART NO.</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>	<u>CORE CONSTANT</u>	<u>CONVOLUTIONS PER INCH (APPROX.)</u>
1951	283	3-Speed	.30"	3-1/3
1804	283	Powerglide	.28"	3-1/2 f
1953	283	Turboglide	.22"	4-1/2 f
6302	235	3-Speed	.28"	3-1/2 f
6304	235	Powerglide	.25"	4
6206	348	3-Sp. & 4-Sp.	.25"	4
6208	348	Powerglide	.22"	4-1/2 f
4709	348	Turboglide	.20"	5

The following radiator cores are currently available in service parts stocks:

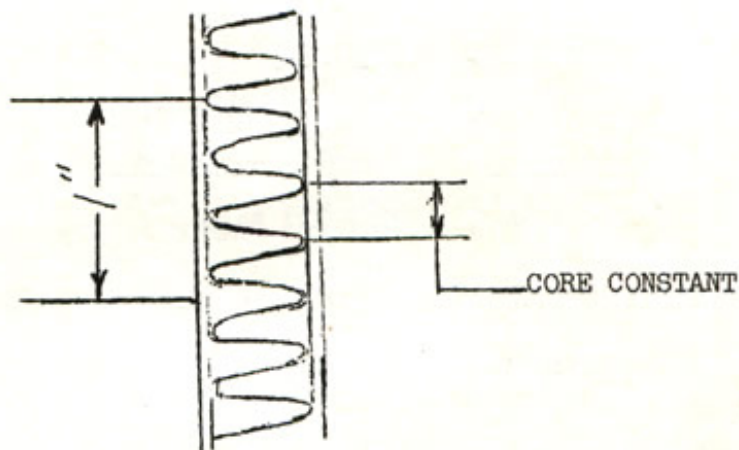
<u>SERVICE PART NO.</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>		<u>CORE CONSTANT</u>	<u>APPROX. CONV. PER INCH</u>
3141951	235	3-Speed	1st design	.30"	3-1/3
	283	3-Speed			
3146302	235	3-Speed	2nd design	.28"	3-1/2 f
	283	3-Speed			

<u>SERVICE PART NO.</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>	<u>CORE CONSTANT</u>	<u>APPROX. CONV. PER INCH</u>
3141953	235 283	Powerglide Powerg-Turbog.	1st design .22"	4-1/2
3147119*	235 283	Powerglide Powerg-Turbog.	2nd design .22"	4-1/2
3141952	348	3 & 4-Speed	1st design .30"	3-1/3
3146206	348	3 & 4-Speed	2nd design .25"	4
3141803	348	Powerglide	1st design .25"	4
3141954	348	Turboglide	1st design .22"	4-1/2
3144709	348	Powerg-Turbog.	2nd design .20"	5

* Same as #3141953 except finger guard added.

When investigating overheating complaints, it should be determined that the unit is equipped with the correct radiator core. As it is rather difficult to accurately measure core convolutions while the core is installed in the unit, the following procedure is recommended:

Place a 3" x 5" piece of carbon paper against a similar size sheet of white paper, carbon side toward paper; lay against radiator core fins and rub lightly with the fingers. This will give a carbon imprint of the core fins on the paper which can easily be measured.



Sketch showing core with .28" constant, 3-1/2 convolutions per inch.

HAB:mw
cc: TSB List

J. E. Mackenzie
Service & Mechanical Department

Online URL:

<https://www.corvetteactioncenter.com/tech/knowledgebase/article/1959-corvette-service-bulletin-radiator-core-usage-1157.html>