DETROIT PUBLIC LIBRARY
AUTOMOTIVE HISTORY COLLECTION

AUTOMOBILE MANUFACTURERS ASSOCIATION
CONSOLIDATED SPECIFICATION QUESTIONNAIRE

MAKE OF CAR: Chevrolet
COMPANY: Chevrolet Motor Division
General Motors Corporation
Engineering Center
Box 246, N. End Station
Detroit 2, Michigan

MODEL YEAR: 1957 **DATE** 9-1-56
Revised: 10-15-56

MODEL NAME	SYMBOL
One-Fifty (6 Cyl.)	1500 Series
Two-Ten (6 Cyl.)	2100 Series
Bel Air (6 Cyl.)	2400 Series

TABLE OF CONTENTS

General Specifications	1	Frame	16
Engine	2	Front Suspension	16
Electrical	8	Steering	17
Drive Units	12	Rear Suspension	18
Brakes	15	Body	19

Index 24

NOTES: 1. The specifications set forth herein are those in effect at the date of compilation and are subject to change without notice.
2. All specifications are standard for the models under which they are listed unless otherwise indicated.
3. All dimensions are nominal engineering dimensions unless otherwise indicated.
4. Unless otherwise indicated, specifications apply to 5 or 6 passenger, 4-door sedan or equivalent.

GENERAL SPECIFICATIONS

Model		1500-2100-2400 Series (6 Cyl.)
Wheelbase		115.0
Tread	Front	58.0
	Rear	58.8
Maximum Overall Dimensions	Length (L-103)	200.0
	Width (W-103)	73.9
	Height (H-101)	59.9
Steering ratio—overall		25.7:1
Turning diameter (curb to curb)		41.5 Ft.
Shipping weight*		3300 Lb. (Estimated)
Transmission— (Specify standard, optional, not avail.)	Conventional	Standard
	Overdrive	Optional
	Automatic	Optional
Axle ratio	Conventional	3.55:1
	Overdrive	4.11:1
	Automatic	3.36:1
Tire size		7.50-14-4 Ply, Tubeless
Engine	Type	In Line
	No. of cylinders	6
	Valve arrangement	In Head
	Bore and stroke	3.56 x 3.94
	Piston displacement, cu. in.	235.5
	Standard compression ratio	8.0:1
	Maximum bhp at engine rpm	140 @ 4200
	Maximum torque at rpm	210 @ 2400

*Standard car weight, not including gas and water. (For Model 2103)

AMA Consolidated Specification Questionnaire

Issued: 9-1-56
Revised: 10-15-56

MAKE OF CAR Chevrolet **MODEL YEAR** 1957

MODEL 1500-2100-2400 Series (6 Cyl.)

ENGINE—CRANKSHAFT (cont.)

Vibration damper type			Oscillating (rubber floating)
End thrust taken by bearing (No.)			3
Crankshaft end play			.0035 - .0095
Main bearing	Material		Steel backed babbit
	Type (cast-in or removable)		Removable
	Clearance		Brgs. 1 & 2, .0008 - .0024; Brgs. 3 & 4 .0010 - .0026
	Journal dia. and bearing effective length	No. 1	2.6840 x 1.063
		No. 2	2.7150 x .907
		No. 3	2.7460 x .982
		No. 4	2.7770 x 1.189
		No. 5	None
		No. 6	None
		No. 7	None
	Direction offset from cyl. bore		None
Connecting rod crankpin journal diameter			2.311 - 2.312

ENGINE—CAMSHAFT

Material			Cast Alloy Iron
Bearings	Material		Steel backed babbit
	Number		4
Type of drive	Gear or chain		Gear
	Crankshaft gear or sprocket material		Steel
	Camshaft gear or sprocket material		Bakelite and fabric composition with steel hubs
	Timing chain	Make	None
		No. of links	None
		Width	None
		Pitch	None

ENGINE—VALVE SYSTEM

Hydraulic lifters (yes, no)		Yes
Special provision for valve rotation (intake, exhaust)		None
Rocker ratio		1.477:1
Operating tappet clearance (indicate hot or cold)	Intake	Zero
	Exhaust	Zero
Tappet clearance for timing	Intake	Zero
	Exhaust	Zero
Timing marks on fly-wheel, damper, other		Flywheel

AMA Consolidated Specification Questionnaire

Issued: 9-1-56
Revised: 10-15-56

MAKE OF CAR Chevrolet MODEL YEAR 1957

MODEL 1500-2100-2400 Series (6 Cyl.)

DRIVE UNITS—CLUTCH (PEDAL OPERATED)

Make			Own
Type (dry or wet plate)			Dry
In combination with fluid coupling (yes, no)			No
Semi-centrifugal (yes, no)			No
Type pressure plate springs			Diaphragm
Total plate pressure (lb.)			1425 - 1600
No. of clutch driven discs			One
Clutch facing	Material		Molded or Woven Asbestos Composition
	Inside diameter		6.0 (a)
	Outside diameter		9.5 (a)
	Total eff. area (sq. in.)		65.22 (a)
	Thickness		.122 - .128
	Number required		Two
	Engagement cushioning method		Spring
	Release bearing	Type	Ball Bearing
		Method of lubrication	Sealed
	Torsional damping	Method (springs, other)	Springs at Hub
		Fric. mat.	None

DRIVE UNITS—TRANSMISSIONS

Conventional (std. or opt.)	Standard
Conventional with overdrive (std. or opt.)	Optional
Automatic (std. or opt.)	Optional

DRIVE UNITS—CONVENTIONAL TRANSMISSION

Number of forward speeds		3
Transmission ratios	In first	2.94:1
	In second	1.68:1
	In third	1.00:1
	In fourth	None
	In reverse	2.94:1
Constant mesh gears in 2nd (yes, no)		Yes
Spur gear used in (indicate speeds)		None
Helical gears used in (indicate speeds)		All
Synchronous meshing in 2nd and 3rd gears (yes, no)		Yes

(a) - 6.5 I.D. x 11.0 O.D., 123.7 Sq. In. Optional

AMA Consolidated Specification Questionnaire

Issued: 9-1-56
Revised: 10-15-56

MAKE OF CAR Chevrolet **MODEL YEAR** 1957

MODEL 1500-2100-2400 Series (6 Cyl.)

BRAKES—SERVICE (cont.)

Brake lining	Bonded or riveted			Bonded
	Primary	Material		Full molded asbestos composition
		Size (length x width x thickness)	Front wheel	9.29 x 2.0 x .175
			Rear wheel	9.29 x 1.75 x .175
		Segments per shoe		One
	Secondary	Material		Full molded asbestos composition
		Size (length x width x thickness)	Front wheel	11.69 x 2.0 x .175
			Rear wheel	11.69 x 1.75 x .175
		Segments per shoe		One
Wheel cylinder bore	Front			1.125
	Rear			1.00
Master cylinder bore				1.00
Available pedal travel				6.38
Line pressure at 100 lb. pedal load				460 (actual)
Shoe clearance adjustment				Adjust to light drag and backoff 7 notches

BRAKES—PARKING

Type of control		T-Handle
Location of control		Under instrument panel, left of steering column
Operates on		Rear service brakes
If separate from service brakes	Type (internal or external)	None
	Drum diameter	None
	Lining size (length x width x thickness)	None

FRAME

Type and description	Welded box girder frame with channel type cross members.

FRONT SUSPENSION

Type and description	Independent, short and long arm spherical joint outer pivots, rubber bushed inner pivots, coil springs.