AMA Specifications – Passenger Car

Data prepared and distributed by American automobile manufacturers, using uniform questionnaire form developed by car manufacturers under auspices of the Automobile Manufacturers Association.

MAKE OF CAR CHEVROLET **MODEL YEAR** 1959 **DATE: ISSUED** 7-15-58 **REVISED** 12-2-58

COMPANY Chevrolet Motor Division, General Motors Corporation

MODEL NAME	SYMBOL	MODEL NAME	SYMBOL
Biscayne	1200	Station Wagons	1200(Brookwood)
Bel Air	1600		1600(Parkwood, Kingswood)
Impala	1800		1800(Nomad)

TABLE OF CONTENTS

NOTES:

1. The specifications set forth herein are those in effect at the date of compilation and are subject to change without notice.

UNLESS OTHERWISE INDICATED:

2. All specifications are standard for the models under which they are listed.
3. Specifications apply basically to 4-door sedan or equivalent. Body dimensions shown on pages 19-24 include other body models available.
4. All dimensions are nominal engineering dimensions.

GENERAL SPECIFICATIONS

MODEL		Additional Information Page No.:	1200-1600-1800 Series	
			283 cu. in. V-8 (Standard)	348 cu. in. V-8 (Optional)
Wheelbase (L-101)		22	119.0	
Tread	Front (W-101)	23	60.3	
	Rear (W-102)	23	59.3	
Maximum Overall Dimensions	Length (L-103)	22	210.9	
	Width (W-103)	23	79.9	
	Height (H-101)	21	56.0	
Transmission—(Specify trade name - opt., not available)	Manual	12	3-Speed (b)	3-Speed (c)
	Overdrive	13	Optional (h)	Not used
	Automatic	13	Powerglide, Turboglide optional (f)	
Axle ratio	Manual	14	3.55:1	3.36:1 (i)
	Overdrive	14	3.70:1	Not used
	Automatic	14	3.36:1	3.08:1 (j)
Tire size		15	7.50 x 14-4 ply (a)	
Engine	Type, no. cyl., valve arr.	2	90° V-8, OHV	
	Fuel system (Carb. or inj.)	6	Carburetor (g)	Carburetor
	Bore and stroke	2	3.875 x 3.000	4.125 x 3.25
	Piston displ., cu. in.	2	283	348
	Std. compression ratio	2	8.5:1 (d)	9.5:1 (e)
	Max. bhp at engine rpm	2	185 @ 4600	250 @ 4400
	Max. torque at rpm	2	275 @ 2400	355 @ 2800

(a) 8.00 x 14-4 ply on Convertible, Station Wagons, Sed. Del., Sed. Pickup. Rev. Form 1-58

(b) 4-speed optional with Fuel Injection

(c) 4-speed optional

(d) 9.5:1 with 4-barrel carburetor and Fuel Injection; 10.5:1 with F.I. and spec. cam.

(e) 11.0:1 with special cam and H D Powerglide; 11.25:1 with synchromesh and special cam.

(f) Turboglide NA with 4-bbl. carburetor and special cam; no auto. w/3x2 carbs. & spec. cam

(g) Fuel Injection available optionally

(h) NA with Fuel Injection.

(i) 3.55:1 rear axle used with 4-speed transmission

(j) 3.55:1 rear axle used with special camshaft engines

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 11-25-58

1200-1600-1800 Series

MODEL		283 cu.in. V-8 (Standard)	348 cu.in. V-8 (Optional)
ENGINE—GENERAL			
Type, no. cyls., valve arr.		90° V8, OHV	
Bore and stroke		3.875 x 3.000	4.125 x 3.25
Piston displacement, cu. in.		283	348
Bore spacing (C/L to C/L)		4.4	4.84
No. system (front to rear)	L. Bank	1-3-5-7	
	R. Bank	2-4-6-8	
Firing order		1-8-4-3-6-5-7-2	
Compres. ratio (nominal)	Standard	8.5:1	9.5:1
	Optional	9.5:1 (a)	11.0:1 (e)
Cylinder Head Material	Standard	Cast alloy iron	
	Optional	None	
Cylinder Sleeve - Wet, dry, none		None	
Number of mounting points	Front	Two	
	Rear	One	
Taxable horsepower $\frac{\text{Dia.}^2 \times \text{No. Cyl.}}{2.5}$		48	54.5
Published max. bhp at engine RPM*	Standard	185 @ 4600	250 @ 4400
	Optional	(f)	(f)
Published max. torque* (lb. ft. @ RPM)	Standard	275 @ 2400	355 @ 2800
	Optional	(f)	(f)
Recommended fuel regular - premium	Standard	Regular	Premium
	Optional	Premium	Premium
Recommended idle speed (neutral)		3-speed, 475 RPM in Neutral; Automatic, 450 RPM in Drive	
ENGINE—PISTONS			
Material		Cast aluminum alloy	
Description and finish		Flat head, slipper skirt autothermic (b)(d)	Peak roof, slipper skirt autothermic (c)
Weight (piston only) oz.		20.40	26.72(g)

* Max. bhp (brake horsepower) and max. torque corrected as defined by SAE Engine Test Code.

(Continued) Rev. Form 6-57

(a) 10.5:1 with Fuel Injection and special cam.
(b) With machined relief for valve clearance.
(c) Half flat having machined relief for valve clearance and half slanted downward 16° with special cam.
(d) Fuel Injection with special cam - domed piston having machined relief.
(e) With special cam and H D Powerglide; 11.25:1 with synchromesh and special cam.
(f) See Page _ Supplement
(g) 27.20 oz. with special cam.

AMA Specifications -- Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 11-25-58

SUPPLEMENTARY INFORMATION

MODEL 1200-1600-1800 Series

Max BHP @ Engine RPM	Max. Torque @ RPM
283 cu. in. V-8	
4-barrel Carburetor 230 @ 4800	300 @ 3000
Ramjet Fuel Injection 250 @ 5000	305 @ 3800
Ramjet Fuel Injection (with special camshaft) 290 @ 6200	290 @ 4400
348 cu. in. V-8	
4-barrel Carburetor (with special camshaft and H D Powerglide) 305 @ 5600	350 @ 3600
3 x 2-barrel Carburetor 280 @ 4800	355 @ 3200
3 x 2-barrel Carburetor (with special camshaft and synchromesh) 335 @ 5800	362 @ 3600
4-barrel Carburetor (with special camshaft and synchromesh) 320 @ 5600	358 @ 3600

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 1-30-59

MODEL 1200-1600-1800 Series

ENGINE PISTONS (Cont.)

			283 cu.in. V-8 (Standard)	348 cu.in.V-8 (Optional)
Clearance (limits)	Top land		.035-.043	.0325-.0367
	Skirt	Top	.0006-.0010 (a)	.0006-.0010 (c)
		Bottom	NA	NA
Ring groove depth	No. 1 ring		.2153-.2218	.2283-.2334
	No. 2 ring		.2153-.2218	.2283-.2334
	No. 3 ring		.2093-.2158	.2183-.2234
	No. 4 ring		None	

ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression	
	No. 2, oil or comp.	Compression	
	No. 3, oil or comp.	Oil control	
	No. 4, oil or comp.	None	
Compression	Description - material, type, coating, etc.	Upper: cast alloy iron, plain, chrome plated. Lower; cast alloy iron, plain, wear resistant coating	
	Width	.0775-.0780	.0770-.0780
	Gap	.010 - .020	.015 - .025
Oil	Description - material, type, coating, etc.	Rails: steel, chrome plate O.D. Spacer: stainless steel	
	Width	.224-.231 (d)	.224-.231 (d)
	Gap	.015-.055 (e)	.015-.055 (e)
Expanders		In oil ring assembly	

ENGINE—PISTON PINS

Material			Chromium steel	
Length			2.990-3.010	3.250-3.270
Diameter			.9270-.9273	.9895-.9898
Type	Locked in rod, in piston, floating, etc.		Pressed in rod	
	Bushing	In rod or piston	None	
		Material	None	
Clearance	In piston		.00015-.00025	
	In rod		None	
Direction & amount offset in piston			Major thrust side - .060	

ENGINE—CONNECTING RODS

Material		Drop forged steel	
Weight (oz.)		19.02	19.20
Length (center to center)		5.699-5.701	6.134-6.136
Bearing	Material & Type	Steel backed babbitt (b)	
	Overall length	.817	.867
	Clearance (limits)	.0007-.0027	.007-.0027
	End play	.008-.014	.008-.014

(a) Measured 2.44 from top of piston

(b) Steel backed aluminum alloy matrix with a thin lead alloy overplate with special cam and Synchromesh transmission

(c) Measured 2.94 from top of piston

(d) .1855-.1865 with special cam

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 1-30-59

1200-1600-1800 Series

MODEL	283 cu.in. V-8 (Standard)	348 cu.in. V-8 (Optional)
ENGINE—CRANKSHAFT		
Material	Forged steel	
Vibration damper type	Oscillating (rubber floating)	
End thrust taken by bearing (No.)	5	
Crankshaft end play	.002-.006	.003-.007
Main bearing — Material & type	Steel backed babbitt, removable (a)	
Main bearing — Clearance	.0008-.0034	.0006-.0032
Main bearing — Journal dia. and bearing overall length — No. 1	2.2983 x .762	2.4985 x 1.002
No. 2	2.2983 x .762	2.4985 x 1.002
No. 3	2.2983 x .762	2.4985 x 1.002
No. 4	2.2983 x .762	2.4985 x 1.002
No. 5	2.2983 x 1.169	2.4985 x 1.262
No. 6	None	None
No. 7	None	None
Main bearing — Dir. & amt. cyl. offset	None	None
Crankpin journal diameter	1.999-2.000	2.199-2.200
ENGINE—CAMSHAFT		
Location	Above crankshaft	
Material	Cast alloy iron	
Bearings — Material	Steel backed babbitt	
Bearings — Number	5	
Type of drive — Gear or chain	Chain	
Type of drive — Crankshaft gear or sprocket material	Steel	
Type of drive — Camshaft gear or sprocket material	Cast alloy iron	
Type of drive — Timing chain — No. of links	46	48
Timing chain — Width	.875	.875
Timing chain — Pitch	.500	.500
ENGINE—VALVE SYSTEM		
Hydraulic lifters (Std, opt, NA)	Standard (b)	
Special provision for valve rotation (intake, exhaust)	None	
Rocker ratio	1.5:1	1.75:1
Operating tappet clearance (indicate hot or cold) — Intake	Zero (c)	
Exhaust	Zero (c)	
Timing marks on flywheel, damper, other	Damper	

(a) With special camshaft, and Synchromesh transmission #1 thru 4-steel backed aluminum alloy matrix with a thin lead alloy overplate

(b) Mechanical valve lifters standard with special camshaft

(c) Valve lash (hot) with special camshaft – .022" intake, .018" exhaust

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 1-30-59

MODEL 1200-1600-1800 Series

			283 cu. in. V-8 (Std.)		348 cu. in. V-8 (Opt.)		
					Reg. Cam	Special Cam	
ENGINE—VALVE SYSTEM (cont.)			Reg. Cam	Spec. Cam	All Trans.	Reg.Trans.	H.D. PG
Timing	Intake	Opens (°BTC)	12°30'	35°	18°30'	35°	33°
		Closes (°ABC)	57°30'	72°	67°30'	72°	74°
		Duration - deg.	250°	287°	266°	287°	287°
	Exhaust	Opens (°BBC)	54°30'	76°	68°30'	76°	88°
		Closes (°ATC)	15°30'	31°	25°30'	31°	19°
		Duration - deg.	250°	287°	274°	287°	287°
	Valve opening overlap		28°	66°	44°	66°	52°
Intake	Material		High Alloy Steel (864 5)(d)				
	Overall length		4.902-4.922	4.869-4.889	5.095-5.115		
	Actual overall head dia.		1.715-1.725		1.935-1.945		
	Angle of seat		46° in head				
	Seat insert material		None				
	Stem diameter		.3415-.3422		.3715-.3722		
	Stem to guide clearance		.0010-.0027		.0010-.0027		
	Lift		.3987	.3938	.4005	.4058	.4076
	Outer spring press. and length	Valve closed (lb. @ in.)	69-79@ 1.696		78-86@ 1.626 (a)		
		Valve open (lb. @ in.)	159-169 @ 1.306		184-196 @ 1.230 (b)		
	Inner spring press. and length	Valve closed (lb. @ in.)	None		20-24 @ 1.488 (c)		
		Valve open (lb. @ in.)	None		55-61 @ 1.06 (c)		
Exhaust	Material		High Alloy Steel (21-4N)(d)				
	Overall length		4.913-4.933	4.890-4.910	5.105-5.125		
	Actual overall head dia.		1.495-1.505		1.655-1.665		
	Angle of seat		46° in head				
	Seat insert material		None				
	Stem diameter		.3410-.3417		.3710-.3717		
	Stem to guide clearance		.0015-.0032		.0025-.0042		
	Lift		.3987	.3998	.4119	.4120	.4139
	Outer spring press. and length	Valve closed (lb. @ in.)	69-79 @ 1.696		78-86 @ 1.626 (a)		
		Valve open (lb. @ in.)	159-169 @ 1.306		184-196 @ 1.230 (b)		
	Inner spring press. and length	Valve closed (lb. @ in.)	None		20-24 @ 1.488 (c)		
		Valve open (lb. @ in.)	None		55-61 @ 1.06 (c)		

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Nozzle sprayed
	Cylinder walls	Pressure, jet cross sprayed

(a) 69-79 @ 1.696 with special cam and synchromesh transmission. (Continued)

(b) 159-169 @ 1.306 with special cam and synchromesh transmission.

(c) With special cam and synchromesh transmission

(d) Aluminized valve faces on 348 engines with spec. cam and synchromesh transmission.

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 11-25-58

1200-1600-1800 Series

MODEL	283 cu.in. V-8 (Standard)	348 cu.in. V-8 (Optional)
ENGINE—LUBRICATION SYSTEM (cont.)		
Oil pump type	Gear	
Normal oil pressure (lb. @ engine rpm)	35 psi @ 2000 RPM	
Oil pressure sending unit (elect. or mech.)	Electrical	
Type oil intake (floating, stationary)	Stationary	
Oil filter system (full flow, partial, other)	Full flow (a)	Full flow (b)
Filter replacement (element, complete)	Element	
Capacity of crankcase, less filter-refill (qt.)	4	
Oil grade recommended (SAE viscosity and temperature range)	32°F and above - SAE 20W, SAE 20 or SAE 10W-30 0°F and above - SAE 10W or SAE 10W-30 Below 0°F - SAE 5W or SAE 5W-20	
Engine Service Requirement (MM, MS, etc.)	MS or DG	
ENGINE—EXHAUST SYSTEM		
Type (single, single with cross-over, dual, other)	Single with cross-over pipe (c)	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One-reverse flow	Two, reverse flow with resonators
Exhaust pipe dia. (O.D. & wall thickness) Branch	NA	NA
Exhaust pipe dia. (O.D. & wall thickness) Main	2.0 x .0625	2.0 x .0625 (h)
Tail pipe diameter (O.D. & wall thickness)	1.81 x .0598	1.875 x .0598 (h)
ENGINE—FUEL SYSTEM	(See Supplement to Page 6 for Details of Fuel Injection, Supercharger, etc. if used)	
Induction type: Carburetor, fuel injection, supercharger.	Carburetor (e)	Carburetor
Fuel Tank Capacity (gals.)	20 (d)	
Fuel Tank Filler location	Concealed behind hinged rear license plate (f)	
Fuel Pump Type (elec. or mech.)	Mechanical	
Fuel Pump Locations	Lower right front of engine	
Fuel Pump Pressure range	5.25-6.50 psi	
Vacuum booster (std., optional, none)	None	
Fuel Filter Type and	Strainer in gasoline tank and sintered	
Fuel Filter Locations	bronze filter in carburetor inlet	
Carburetor Make & Model No.	(g)	(g)
Carburetor Number & Type	(g)	(g)
Carburetor Barrel size	1.4375	1.4375
Carburetor Choke type	Automatic	
Carburetor Intake manifold heat control (exhaust or water)	Exhaust	
Carburetor Air clnr. type Standard	Dry	
Carburetor Air clnr. type Optional	None	

(a) Standard equipment with Fuel Injection

(b) Mandatory equipment with special cam

(c) Dual exhaust standard with Fuel Injection; optional on others-have resonators

(d) 17 gal. on 6-pass. Station Wagons & Sedan Delivery, 18 gal. on 9-pass. Station Wagon

(e) Fuel Injection optional

(f) In left rear quarter panel on Station Wagons and Sedan Delivery

(g) See supplement

(h) 2.5" OD exhaust pipe and 2.0" OD tail pipe with special cam and synchromesh transmission

KE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 10-16-58

SUPPLEMENTARY INFORMATION

MODEL 1200-1600-1800 Series V-8

Engine Fuel System - Fuel Injection

Injection System	Make	Rochester Products
	Model	7017200 (b)
	Type	Constant flow
Fuel Recommended		Premium
Fuel Pump	Type	Mechanical
	Location	Lower right front corner of engine
	Pressure range	5.25-6.50 psi
Auxiliary Fuel Filter	Type	Paper filter
	Location	Bracketed to engine adapter on right, rear of center
Inlet Manifold Adapter-Material		Cast aluminum
Inlet Manifold - Material		Cast aluminum
Air Induction (a)	Air Cleaner Type	Dry (paper element)
	Air Meter Location	Left side of engine
	Plenum Chamber	Integral with inlet manifold
	Ram Pipes	Eight, integral with inlet manifold
	Ram Pipe Length	12 inches
Fuel Induction		Metered as function of air flow
Air/Fuel Ratio Control	Type	Vacuum sensitive diaphragm
	Location	On fuel meter
Fuel Meter Pump	Type	Gear
	Location	In fuel meter assembly
	Drive	Gear driven by flexible shaft from distributor
	Pressure (max.)	300 psi
Injection Nozzles	No. Used	Eight
	Material	Brass
	Location	Mounted on inlet manifold above intake ports
	Orifice Size, Fuel	.0118
	Insulation	Bakelite blocks
Automatic Enrichment	Type	Electric, time-temperature
	Location	On air meter assembly
	Current Draw	1 amp. @ 70°
	Fast Idle Cam	Yes

(a) Air intake ducts which channel outside air to the engine compartment are furnished with Fuel Injection.
(b) 7017250 with special camshaft.

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 1 1-30-59

1200-1600-1800 Series V-8

SUPPLEMENTARY INFORMATION

MODEL 1200-1600-1800 Series V-8

Engine Fuel System - cont'd.

Type	Transmission	283 Cubic Inch Make	Model
2-bbl, D.D.	3-Speed	Rochester	7013007
	Automatic	Rochester	7013008
4-bbl,D.D.	3-Speed	Carter	3756676
	Automatic	Rochester	7013004
		348 Cubic Inch	
4-bbl, D.D.	3 or 4-Speed	Carter	3756677
	Automatic	Carter or	3756678
		Rochester	7013006
4-bbl,D.D. (spec.cam)	3 or 4-Speed H.D. Powerglide	Carter	3764593
3x2 bbl,D.D.	3 or 4-Speed	Rochester	7013015 (front)(a) 7013020 (center) 7013017 (rear) (a)
	Automatic	Rochester	7013016 (center)
3x2 bbl, D.D.	3 or 4-Speed	Rochester	7013973 (front) 7013974 (center) 7013975 (rear)

(a) Also used with automatic transmissions.

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 11-25-58

MODEL 1200-1600-1800 Series

ENGINE-COOLING SYSTEM

			283 cu.in. V-8 (Standard)	348 cu.in. V-8 (Optional)
Type (pressure system, atmospheric, other)			Pressure system	
Radiator cap relief valve pressure			13 psi	
Circulation thermostat	Type (choke, bypass)		Choke	Bypass
	Starts to open at (°F)		167-172°F	
Water pump	Type (centrifugal, other)		Centrifugal	
	Number of pumps		One	
	Drive (V-belt, other)		V-belt	
	Bearing type		Permanently lubricated double row ball	
By-pass recirculation type (internal, external)			Internal	External
Radiator core type (cellular, tube and fin, other)			Tube on center	
Cooling system capacity	With heater (qt.)		18.5*	22.0
	Without heater (qt.)		17.5*	21.0
	Opt. equipment-specify (qt.)		None	
Water jackets full length of cylinder (yes, no)			Yes	
Water oil around cylinder (yes, no)			Yes	
Radiator hose	Lower	Number and type (molded, straight)	One, molded	
		Inside diameter	1.75	
	Upper	Number and type (molded, straight)	One, molded	
		Inside diameter	1.50	
	By-pass	Number and type (molded, straight)	None	One, molded
		Inside diameter	None	.610
Fan	Number of blades & Spacing		4, staggered	
	Diameter		17.62"	
	Ratio-fan to crankshaft rev.		.949:1	
	Fan cutout type		(a)	
	Bearing type		Permanently lubricated double row ball	
*Drive belts (indicate belt used by letter)	Fan		A	C
	Generator		A	C
	Water Pump		A	C
	Power Steering		B	B
	Air Conditioning		B	B
	Air Suspension		B	B

Rev. Form 1-58

* Drive Belt Dimensions	A	C	B	
Angle of V	37-44°	37-44°	37-44°	
Nominal length (SAE)	54.12(b)	57.00 (b)	56.00 (b)	
Width	.380/ .005	.380/ .005	.380/ .005	

(a) Viscous coupling, 5-blade, 18" fan used with air conditioning, fan speed limited to 3100 RPM.

(b) Pitch Length.

(*) With 3-speed transmission.

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 1-30-59

1200-1600-1800 Series

MODEL

			283 cu.in. V-8 (Standard)	348 cu.in. V-8 (Optional)
ELECTRICAL—SUPPLY SYSTEM				
Battery	Make and Model		1980458 Delco-Remy	1980558
	Voltage Rtg. & Total Plates		12 volt, 54 plate	12 volt, 66 plate
	SAE Designation & Amp Hr. Rtg.		2 SLR, 53 amp.hr.@ 20 hr. rate	61 amp.hr @ 20 hr. rate
	Location		Engine compartment, right front	
	Terminal grounded		Negative	
Generator	Make		Delco-Remy	
	Model		1102097 (a)	
	Type		Two brush, shunt wound	
	Ratio—Gen. to Cr/s rev.		2.3:1 (b)	
	Gen. cut-in—engine rpm		510	
Regulator	Make		Delco-Remy	
	Model		1119001	1119234
	Type		Vibrator	
	Cutout relay	Closing voltage @ generator rpm	11.8-13.5 @ 1300	
		Reverse current to open	N.A.	
	Regulated	Voltage	13.8-14.8	
		Current	27-33	
	Voltage test conditions	Temperature	Operating	
		Load	8-10 amperes	
		Other	None	
ELECTRICAL—STARTING SYSTEM				
Starting motor	Make		Delco-Remy	
	Model		1107664 (c)	1107688 (d)
	Rotation (drive end view)		Clockwise	
	Engine cranking speed		N.A.	
	Test conditions		Engine at operating temperature	
	Lock test	Amps	N.A.	N.A.
		Volts	N.A.	N.A.
		Torque (lb. ft.)	N.A.	N.A.
	No load test	Amps	49-76	65-100
		Volts	10.6	10.6
		RPM (min.)	6200-9400	3600
Motor control	Switch (solenoid, manual)		Positive Shift Solenoid	
	Starting procedure		Place shift lever in neutral and depress clutch (e) Press accelerator to floor once to set automatic choke, then release. Turn ignition key to extreme right position to start engine.	

(a) 1102059 with special cam
(b) 1.66:1 with special cam
(c) 1107694 with Turboglide
(d) 1107687 with Turboglide;
(e) For automatic transmission, place selector lever in "P" (Park) or "N" (Neutral) position.

Rev. Form 1-58

E OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 1-30-59

1200-1600-1800 Series

MODEL			283 cu.in. V-8 (Standard)	348 cu.in. V-8 (Optional)
ELECTRICAL—STARTING SYSTEM (cont.)				
Motor drive	Engagement type		Positive shift solenoid	
	Pinion meshes (front, rear)		Front	
	Number of teeth	Pinion	9	
		Flywheel	168	
	Flywheel tooth face width		.4135 (a)	
ELECTRICAL—IGNITION SYSTEM				
Coil	Make		Delco-Remy	
	Model		1115115 (b)	1115083 (c)
	Amps	Engine stopped	4.0	
		Engine idling	1.8	
Distributor	Make		Delco-Remy	
	Model		1110947 (d)	1110948 (k)
	Centrifugal adv. in crankshaft degrees @ engine rpm	Start (rpm)	600 (h)	700 (l)
		Intermediate points deg. @ rpm	12@ 1500 (h)(i)	11° @ 1600 (l)
		Max deg. @ rpm	28@ 3750 (h)(i)	24@ 4600 (l)
	Vacuum adv. in crankshaft degrees @ in. Hg.	Start (in. Hg)	0@ 8 (j)	0@ 8 (f)
		Intermediate points, deg.@in.Hg	N.A. (f)	N.A. (f)
		Max.deg. in. Hg.	15@ 15.5 (j)	15@ 15.5 (f)
	Breaker gap (in.)		.016-.021	
	Cam angle (deg.)		26-33	
	Breaker arm tension (oz.)		19-23	
Timing	Crankshaft deg. @ rpm.		4 BTC (g)	
	Mark location		Vibration damper	
	Cylinder numbering system (see page 2)		Left bank 1-3-5-7 Right bank 2-4-6-8	
	Firing order (see page 2)		1-8-4-3-6-5-7-2	
Spark Plug	Make and model		AC-44 (e)	
	Thread (mm)		14	
	Tightening torque (lb. ft.)		25	
	Gap		.035	
Cable	Conductor type		Linen core impregnated with electrical conducting material	
	Insulation type		Rubber with neoprene jacket	
	Spark plug protector		Hypalon jacket	
ELECTRICAL—SUPPRESSION				
Description			Non-metallic high tension cable	

(a) .3435 with Turboglide transmission
(b) 5083 with Fuel Injection
(c) 5111 with 3x2 carburetors & 4-bbl.HD PG 1115114 with special cam & syn. trans.
(d) 1110946 with 4-barrel carburetor; 1110914 with Fuel Injection & special cam 1110915 with Fuel Injection
(e) 348 engine AC-44N
(f) No vacuum advance with special cam & syn. trans.
(g) 14° BTC with Fuel Injection and spec.cam
(h) 0 @ 1000, 5 @1500 and 22@6000 w/F.I. &spec.cam
(i) 14@ 1500 and 28@ 3700 for 4-barrel and Fuel Inj.
(j) 0@ 5 and 24@ 13.5 for Fuel Injection.
(k) 1110919 with special camshaft and synchromesh
(l) 0@ 600, 15@ 1550 and 28@ 5000 with special cam and synchromesh transmission.

Rev: Form 1-58

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 10-16-58

MODEL 1200-1600-1800 Series

		283 cu.in. V-8 (Standard)	348 cu.in. V-8 (Optional)

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speedometer	Make	AC
	Trip odometer (yes, no)	No
Charge indicator-type		Tell-tale light
Temperature indicator-type		Gauge
Oil pressure indicator-type		Tell-tale light
Fuel indicator-type		Gauge
Other		Parking brake tell-tale light (a)
Ignition switch	Identify positions in order and circuits controlled	53° Counter clockwise from vertical - "Lock" 13° Counter clockwise from vertical - "Off", unlocked 27° Clockwise from vertical - "On" ign., batt., accessories 57° Clockwise from vertical -"Start", ign., batt., starter spring return to "On" position.
	Provision for illumination	Lamp in lock housing
	Location	On instrument panel right of steering column
Main lighting switch	Identify positions and lights controlled	Depressed - Off 1st notch - Instrument panel, parking, tail and license lights 2nd notch - Instrument panel, head, tail and license lights Rotate knob clockwise to dim and turn off instrument panel lights Rotate knob counter clockwise to turn on and brighten instru. panel lights and turn on dome light.
Other light switches	Locations and lamps controlled	Toe panel ——— Headlight dimmer Glove compartment ——— Glove comp. lamp (c) Front door hinge pillar ——— Dome lamp (d) Under instrument panel ——— Turn signal lamps Under instrument panel ——— Stop lamps Steering mast jacket ——— Back up lamps (a)
Other switches	Locations and devices controlled	Accelerator linkage ——— Overdrive kick down (h) Instrument panel ——— Heater blower (e) Door or qtr. trim panels ——— Power windows (f) Front seat lwr. panel, lh ——— Power seat (f) Instru. panel, center ——— Radio (e) Instru. panel, left ——— W/s wiper, back window (g)
Windshield wiper	Make	Delco
	Type	Electric, single speed (b)
	Vacuum booster provision	None
	Washer provision	Fact Opt. Acc. (pushbutton), or dealer inst.acc.(pushbutton or foot op)(b
Horn	Type	Vibrator
	Number used	2
	Amp draw (each)	8.0-11.0 @ 12.5 volts

Rev. Form 6-57

(a) Standard equipment on 1800 Series, dealer installed accessory on all others.
(b) Two-speed (electric) with push button washers avail. as Fact. Opt. Acc.
(c) Dealer installed accessory on 1200 Series, std. equip. on all others.
(d) Except 1200 Series
(e) Available as Factory Optional Accessory or dealer installed accessory
(f) Available as Regular Production Option on 1600-1800 Series
(g) Power operated tailgate window std. equip. on 9-pass. wagon (1645) Reg. Prod. Opt. on 1635 - 1835 wagons.
(h) Avail. as Reg. Prod. Option on 283 cu. in. V-8 only.

AMA Specifications – Passenger Car

MAKE OF CAR: CHEVROLET | MODEL YEAR: 1959 | DATE: ISSUED 7-15-58 | REVISED 10-16-58

MODEL: 1200-1600-1800 Series V-8

ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-5400 S, dual headlight 2-4001, 2-4002.
Indicate accessories which are not standard equipment by an asterisk following the numbers.

Headlamps & arrangement	Horizontal 2-4001 (inner) 2-4002 (outer)
Headlamp beam indicator	1-53
Parking light	2-1034 (4 cp filaments)
Tail light	4-1034 (4 cp filaments)
Stop light	4-32 cp filaments of tail light bulbs.
Direction signal: Front	2-32 cp filaments of parking light bulbs
Direction signal: Rear	4-32 cp filaments of tail light bulbs.
Direction signal: Indicator	2-57
License plate light	Sta.Wgns.,sed.del.,sed pickup: 1-67, balance of models: 2-67
Instrument light	1200-1600 series: 4-57, 1800 series: 5-57
Ignition lock light	1-53
Back up light	2-1073 (std. equip on 1800 series, acc. on 1200-1600 series)
Dome light	Sport coupe, sport sedan: 2-90, convt. 2-89 balance of models: 1-1004
Clock light	1-57 (std. equip. on 1800 series, acc. on 1200-1600 series)
Radio light	1-1891*
Glove compartment light	1-57 (std. equip. on 1600-1800 series, acc. on 1200 series)
Charge indicator	1-57
Oil press ind.	1-57
Third seat courtesy	1-89 (9-passenger wagon only)
Park brake alarm	1-257 (std. equip on 1800 series, acc. on 1200-1600 series)
Heater	1-53*
Aid cond.	1-53*

ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

Use trade number of fuse, e.g., SFE-10. Indicate circuit breaker by ampere capacity suffixed by letters "C.B.", e.g., 30 C.B. Where fuse or circuit breaker protects multiple circuits indicate first use by a letter and repeat the same letter for all units protected by the same fuse or circuit breaker, e.g., Parking lights SFE-10 (a), Direction indicator same as (a).

Headlamp	15CB (a)
Headlamp beam indicator	(a)
Parking light	(a)
Tail light	3 AG/AGC-15 amp (b)
Stop light	(b)
Direction indicator	Flasher
License plate light	(b)
Instrument light	3 AG/AGC-3 amp (c)
Ignition light	(c)
Back up light	3 AG/AGC-10 amp (d)
Dome light	(b)
Clock	(d)
Clock light	(c)
Radio	Light (all):(c), receiver-manual & p.button: 3 AG/AGC 4 amp.,sig.seek:3AG/AGC7.5
Glove compartment light	(b)
Cigarette lighter	Not fused
Park brake alarm	(d)
Heater	Light: (c), blower: 3 AG/AGC 10 amp
cond.	Light: (c), blower: SAE 20 amp
drive	SAE 9 amp

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 1-30-59

MODEL 1200-1600-1800 Series

		283 cu. in. V-8 (Standard)	348 cu. in. V-8 (Optional)
DRIVE UNITS—CLUTCH (Manual Transmission)			
Make & type		Semi-centrifugal	
Type pressure plate springs		Diaphragm	
Total plate pressure (lb.)		1475-1625 (a)	1775-1875
No. of clutch driven discs		One	
Clutch facing	Material	Woven (g)	Woven (g)
	Outside & inside dia.	10.0 x 6.0 (b)(d)	10.5 x 6.5 (d)
	Total eff. area (sq.in.)	100.53 (c)	106.8
	Thickness	.135	.133
	Engagement cushioning method	Springs	
Release bearing	Type & method of lubrication	Ball bearing, sealed	
Torsional damping	Methods: springs, friction material	Springs	
DRIVE UNITS—TRANSMISSIONS			
Manual (std. or opt.)		Standard (e)	
Manual with overdrive (std. or opt.)		Optional (h)	NA
Automatic (std. or opt.)		Powerglide and Turboglide (optional)(f)	
DRIVE UNITS—MANUAL TRANSMISSION			
Number of forward speeds		Three	Four (e) / Three
Transmission ratios	In first	2.47:1	2.20:1 / 2.47:1
	In second	1.53:1	1.66:1 / 1.53:1
	In third	1.00:1	1.31:1 / 1.00:1
	In fourth	None	1.00:1 / None
	In reverse	2.80:1	2.26:1 / 2.80:1
Synchronous meshing, specify gears		2nd & 3rd	1st thru 4th / 2nd & 3rd
Lubricant	Capacity (pt.)	2.0	4.5 / 2.0
	Type recommended	A-9 mineral oil	
	SAE viscosity number: Summer	SAE-90	
	SAE viscosity number: Winter	SAE-90	
	SAE viscosity number: Extreme cold	SAE-80	

(a) 1575-1725 with Overdrive, 4-barrel carburetor and Fuel Injection.

(b) ID 6.5" on Overdrive, 4-barrel carburetor and Fuel Injection.

(c) 90.72" on Overdrive and Fuel Injection.

(d) Same clutch used with 3 and 4-speed transmissions.

(e) 4-speed close ratio available only with Fuel Injection and 348 cu. in. engines.

(f) Turboglide NA with special camshaft; Powerglide NA with 3X2 carbs. and special camshaft.

(g) Asbestos composition.

(h) Available with only 2 and 4-barrel carburetors.

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 1-30-59

1200-1600-1800 Series

MODEL	283 cu.in. V-8	348 cu.in. V-8

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Overdrive	Type (planetary or other)			Planetary	NA
	Manual lockout (yes, no)			Yes	-
	Downshift accelerator control (yes, no)			Yes	-
	Minimum cut-in speed			27	-
	Gear ratio			0.70:1	-
	Lubricant	Capacity (Overdrive only)		1 pint	-
		Separate filler (yes, no)		No	-
		Type recommended		A-9 mineral oil	-
		SAE viscosity number	Summer	SAE-90	-
			Winter	SAE-90	-
			Ext. cold	SAE-80	-

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name		Powerglide	Turboglide	Powerglide	Turboglide
Type describe		Torque converter with planetary gears			
Method of Selection (Lever, Push Button or other)		Lever			
Selector Pattern		P-R-N-D-L	P-R-N-D-Gr	P-R-N-D-L	P-R-N-D-Gr
1st gear ratios Selector Pattern and indicate which are used in each selector position		Drive 1.82& 1.0:1(d) Low 1.82 Rev. 1.82	Drive 1.63:1 2.67:1 Grade Retarder 2.67:1	Drive 1.82& 1.0:1(d) Low 1.82 Rev. 1.82	Drive 1.63:1 2.67:1 Grade Retarder 2.67:1
Max. upshift speeds—drive range		55	(b)	55	(b)
Max. kickdown speeds—drive range		50	(b)	50	(b)
Torque converter	Number of elements	3	5	3	5
	Max. ratio at stall at engine rpm	2.1:1	(a)	2.1:1	(a)
	Type of cooling (air, water)	Water			
Lubricant	Capacity—refill (pt.)	9	4	9	4
	Type recommended	Type A, Suffix "A"			
Special transmission features			(c)		(c)

Rev. Form 6-57

(a) 3.8:1 (low stator); 4.2:1 (high stator)

(b) Stator may be switched from low to high angle at any vehicle speed. With the stator vanes in either angle, multiplication ceases at approximately 60 mph.

(c) Grade Retarder provides engine braking. Triple turbine torque converter with variable pitch stator.

(d) Total transmission torque multiplication - 3.82:1.

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 12-2-58

MODEL 1200-1600-1800 Series

DRIVE UNITS—PROPELLER SHAFT

			283 cu.in. V-8 (Standard)	348 cu.in. V-8 (Optional)
Number used			2	
Type (exposed, torque tube)			Exposed	
Outer diameter x length* x wall thickness	Manual transmission (3-speed)		Front - 2.003 x 30.12 x .097 (a) Rear - 2.003 x 35.00 x .097	
	Overdrive transmission		Front - 2.003 x 24.97 x .097 Rear - 2.003 x 35.00 x .097	
	Automatic transmission (Powerglide)		Front - 2.003 x 24.03 x .097 (b) Rear - 2.003 x 35.00 x .097	
Intermediate bearing	Type (plain, anti-friction)		Anti-friction	
	Lubrication (fitting, prepack)		Prepack	
Universal joints	Make		Own	
	Number used		3	
	Type (ball and trunnion, cross, other)		Yoke and spider (trunnion)	
	Bearing	Type (plain, anti-friction)	Anti-friction	
		Lubric. (fitting, prepack)	Prepack	
Drive taken through (torque tube or arms, springs)			Upper and lower control arms	
Torque taken through (torque tube or arms, springs)			Upper and lower control arms	

DRIVE UNITS—REAR AXLE

Description – (incl. limited slip differential)			~~Standard axle - Semi-floating, overhung pinion gear~~ Optional "Positraction" axle-Semi-floating, overhung pinion gear. Spicer limited slip with dual 4 disc clutches applied by reaction torque through the differential side gears	
Drive Pinion Offset			1.5	
No. of differential pinions			2 (c)	
Gear ratio and No. of teeth	Automatic transmission		3.36:1, 11-37	3.08:1, 12-37 (d)
	Overdrive trans.		3.70:1, 10-37	Overdrive not used
	Manual transmission		3.55:1, 9-32	3.36:1, 11-37 (e)
Ring gear pitch diameter & O.D.			8.375 p.d. & p.d.	
Pinion adjustment (shim, other)			Shim	
Pinion bearing adj. (shim, other)			None	
Wheel bearing type			Ball	
Lubricant	Capacity (pt.)		4	
	Type recommended		A-9 hypoid	
	SAE viscosity number	Summer	SAE-90	
		Winter	SAE-90	
		Extreme cold	SAE-90	

*Center to center of universal joints, or to centerline of rear attachment.

Rev. Form 6-57

(a) Optional 4-speed transmission same as Overdrive

(b) Optional Turboglide transmission same as regular production 3-speed

(c) 4 pinions in "Positraction" axle

(d) 3.55:1 rear axle used with special camshaft engines

(e) 3.55:1 rear axle used with 4-speed transmission

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 1-30-59

MODEL 1200-1600-1800 Series

		283 cu.in. V-8 (Standard)	348 cu.in. V-8 (Optional)
DRIVE UNITS—WHEELS			
Type & material		Short spoke disc, pressed steel	
Rim (size and flange type)		14x5J (a)(e)	
Attachment	Type (bolt or stud)	Stud	
	Circle diameter	4.75	
	Number and size	5,7/16-20	
DRIVE UNITS—TIRES			
Standard	Size & ply	7.50 x 14-4 ply (b)	
	Type - Nylon, etc.	Rayon	
	Sidewall color	Black	
Optional	Size & ply	7.50 x 14-4 ply (c)	
	Type - Nylon, etc.	Rayon	
	Sidewall color	White	
Rev/mile at 30 mph		784 (d)	
Inflation press.(cold)	Front	24 psi	
	Rear	24 psi	
BRAKES—SERVICE			
Type		Servo-4 wheel hydraulic	
Power brake type		Vacuum power unit with regular production mstr. cyl.	
Effective area (sq. in.)		185.6	
Gross lining area (sq. in.)		199.5	
Percent brake effectiveness-front		56%	
Drum	Diameter Front	11	
	Diameter Rear	11	
	Type and material	Composite-cast alloy iron rim, pressed steel web	
Brake lining	Bonded or riveted	Bonded	
	Front Shoe Material	Full molded asbestos composition	
	Front Shoe Size (length x width x thickness) Front wheel	9.30 x 2.75 x .175	
	Front Shoe Size (length x width x thickness) Rear wheel	9.30 x 2.00 x .175	
	Front Shoe Segments per shoe	1	
	Rear Shoe Material	Full molded asbestos composition	
	Rear Shoe Size (length x width x thickness) Front wheel	11.70 x 2.75 x .175	
	Rear Shoe Size (length x width x thickness) Rear wheel	11.70 x 2.00 x .175	
	Rear Shoe Segments per shoe	1	
Wheel cylinder bore	Front	1.125	
	Rear	1.000	
Master cylinder bore		1.000	
Available pedal travel		6.4	
Line pressure at 100 lb. pedal load		725 (approx.)	
Shoe clearance adjustment		Adjust to light drag and back off 7 notches	

Rev. Form 1-58

(a) Modified used as optional in regular production
(b) 8.00 x 14-4 ply black std. equip. on convertible, sta. wgns., sed.del., sed.pickup.
(c) Except convertible, sta. wgns., sed.del., sed.pickup. 8.00 x 14-4 ply black or white available on all models. 8.50 x 14-4 ply black avail. on sed.del. & sed. pickup.
(d) 770 on 8.00 x 14-4 ply, 751 on 8.50 x 14-4 ply.
(e) 14 x 5-1/2 J on 9-Passenger Station Wagon Model 1645

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 10-16-58

1200-1600-1800 Series

MODEL	283 cu.in. V-8	348 cu.in. V-8 (Optional)

BRAKES—PARKING (Standard)

Type of control		Apply: Pendulum foot pedal. Release: Integral hand lever
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 or UNITIZED CONSTRUCTION

Type and description	All welded "X" frame with box girder side rails, box section front suspension crossmember, "Z" section intermediate rear crossmember, channel section rear crossmember and reinforced box girder center beam.

SUSPENSION—GENERAL (See Supplemental page 16 for details on Air Suspension)*

Provision for car leveling		Front stabilizer bar
Provision for brake dip control		Mounting angle of front upper control arms
Provision for acc. squat control		Geometry of rear suspension
Special provisions for car jacking		None
Shock absorber front & rear	Type	Direct-double acting
	Make	Delco
	Piston dia.	1
Other special features		

SUSPENSION—FRONT

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

(Continued) Rev. Form 1-58

* Air Suspension:
Air spring type
Compressor data
type
make
drive ratio
Normal operating pressures
spring rates
leveling data

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 10-16-58

SUPPLEMENTARY INFORMATION

1200-1600-1800 Series

MODEL	283 cu.in. V8 (Standard)	348 cu.in. V8 (Optional)

SUSPENSION - AIR

Type		"Level Air", with air spring at each wheel. Air supply system consisting of an engine driven air compressor, high pressure accumulator, junction block, anti-icing bottle integral with make up air intake, and three leveling valves.
Air spring	Reservoir	Stamped sheet steel
	Bellows	Fabric reinforced rubber
Com-pressor	Type	Air cooled, single cylinder, reciprocating
	Make	Delco
	Drive ratio	1.25:1 (comp. pulley: engine)
Normal operating pressures		High pressure to air springs: 220-250 psi
		Low pressure from air springs: 0 to 15 psi
Leveling Valves	Locations	Right and left front, left rear -
	Orifice diameters	Right & left front reservoirs - inlet & exhaust: .020 Left rear reservoir - inlet: .031, exhaust: .042. Balance line: .02
	Dead band	3/8 (design)
Spring rates		Variable

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 1-30-59

MODEL 1200-1600-1800 Series

			283 cu.in. V8 (Standard)	348 cu.in. V8 (Optional)
SUSPENSION FRONT (cont.)				
Spring	Type		Coil	
	Material		High alloy steel	
	Size (coil design height & I.D.; bar length x dia.		10.30x3.802x141.5x.630	10.30x3.802x141.5x.630
	Spring rate (lb. per in.)		275	275
	Rate at wheel (lb. per in.)		96	96
	Design load (lb. @ design height)		1855 @ 10.30	1935 @ 10.30
Stabilizer	Type (link, linkless, frameless)		Link	
	Material & bar diameter		H.r. steel, .6875	
STEERING				
Mechanical (std., opt., NA)			Standard	
Power (std., opt., NA)			Optional	
Wheel diameter			17"	
Turning diameter	Outside front	Wall to wall (l. & r.)	43.6 ft.	
		Curb to curb (l. & r.)	40.8 ft.	
	Inside rear	Wall to wall (l. & r.)	23.2 ft.	
		Curb to curb (l. & r.)	24.5 ft.	
Outside wheel angle with inside wheel at 20°			17°54'	
Mechanical	Gear	Type	Semi-reversible, recirculating ball	
		Make	Saginaw	
		Ratios – Gear	24:1	
		Ratios – Overall	28:1	
	No. wheel turns		5.80	
Power	Type		Hydraulic. Power cylinder in linkage	
	Make		Saginaw	
	Trade name		Power-Touch	
	Gear	Type	Semi-reversible, recirculating ball	
		Ratios – Gear	20:1	
		Ratios – Overall	24:1	
	Pump driven by		Extension of generator shaft	
	Number wheel turns		5.20	
Linkage	Type		Relay	
	Location (front or rear of wheels, other)		Front	
	Drag link (trans. or longit.)		None	
	Tie rods (one or two)		Two	

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 10-30-59

MODEL 1200-1600-1800 Series

			283 cu.in. V-8 (Standard)	348 cu.in. V-8 (Optional)
STEERING (cont.)				
Steering Axis	Inclination at camber (deg.)		7°11'	
	Bearings (type)	Upper	Spherical joint, non-metallic bearing liner	
		Lower	Spherical joint, non-metallic bearing liner	
		Thrust	(a)	
Wheel alignment (range and preferred)	Caster (deg.)		0° ± 30'	
	Camber (deg.)		+30' ± 30'	
	Toe-in (outside tread-inches)		1/16 - 1/8	
Steering spindle & joint type			Forged steel with integral brake cyl.mount, detachable st.arm	
Wheel spindle	Diameter	Inner bearing	1.2492-1.2497	
		Outer bearing	.7491-.7496	
	Thread size		3/4-20	
	Bearing type		Ball	
SUSPENSION—REAR				
Type and description			4-link, Upper control arm & bar, lower control arms, coil spring	
Drive and torq. taken through (see page 14)			Upper & lower control arms	
Spring	Type		Coil	
	Material		High alloy steel	
	Size (length x width, coil design height and I.D.; bar length & dia.)		9.55x3.639x139.25x.583	
	Spring rate (lb. per in.)		230	
	Rate at wheel (lb. per in.)		101	
	Design load (lb. at design height)		1560 @ 9.55	
	Mounting insulation type		None	
	If leaf	No. of leaves	None	
		Inserts: Type and size	None	
		Inserts: Material	None	
		Shackle (comp. or tens.)	None	
Stabilizer	Type (link, linkless, frameless)		None	
	Material		None	
Track bar type			Lateral, frame to rear axle	

Rev. Form 6-57

(a) Vehicle Load carried on lower spherical joints, no auxiliary bearings required for steering motion.

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 1-30-59

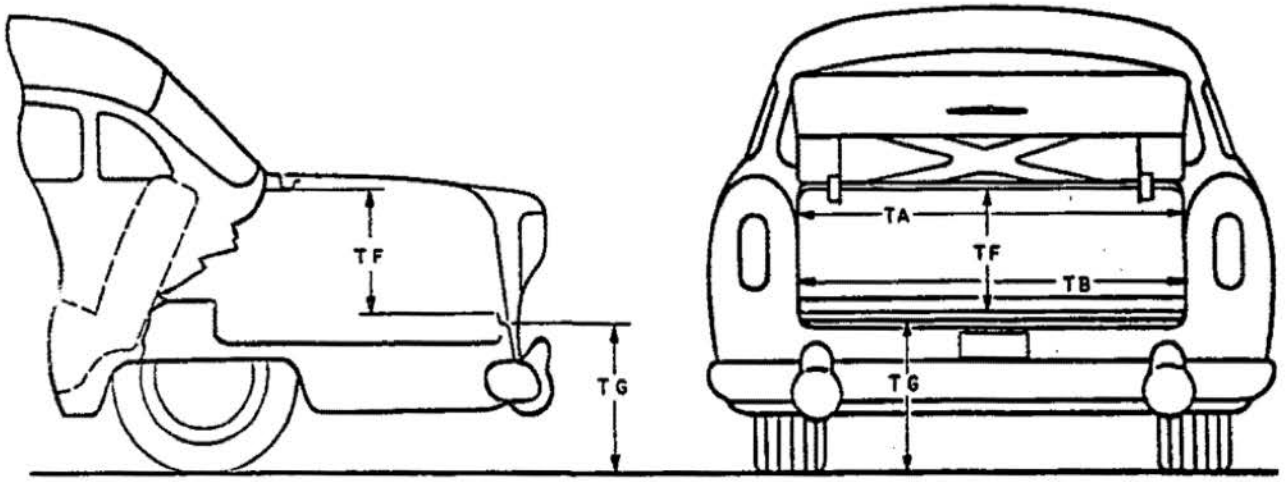
BODY—GENERAL DEFINITIONS

NOTE: Included in the dimension definitions listed on this and the following pages are those which have been adopted by the S.A.E. These are indicated by a number following the type of dimension, e.g. L 3. Additional dimensions have been added by the AMA Specifications Body Sub-Committee for inclusion in the Questionnaire. These are shown by an additional letter, e.g., HA. Symbol "a" added as suffix to SAE dimensions indicates an AMA modification. The dimensions are developed from the following basic points:

1. Front and rear seat free "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
2. Front and rear seat "B" points are located on seat back 15" from center of body at height of horizontal tangent to top of seat cushion.
3. Front seat is in the full down and normal rearmost position.
4. Loaded position—5 passenger, front 300 lb., rear 450 lb.; includes spare wheel, tire and tools, and full complement of gas, oil, water, and tires to recommended pressure, etc.
5. C/L (centerline).
6. D. L. O. (daylight opening, exposed glass dimension – pages 21, 23 & 25).
7. Ramp breakover angle (page 21) is the supplement of the included ramp angle (180° minus the included ramp angle) over which a car can pass without hanging up.

MODEL 1200-1600-1800 Series V8	4 Door Sedan	4 Door Station Wagon

BODY—TRUNK DIMENSIONS



Usable trunk luggage capacity (see Section H1 of SAE Automotive Drafting Standards)	19.2 cu.ft.(b)	(b)
TA— Width across the top	52.0	-
TB—Width across the bottom	-	-
TF—Vertical dimension at C/L from bottom to top of opening.	7.0	-
TG—Vertical height from ground to trunk lower opening (normal surface of outside sheet metal – loaded)	28.4	-
Position of spare tire stowage	Nearly vertical,rh	Horizontal (a)
Method of holding lid open	Torsion bars,counterbal	-

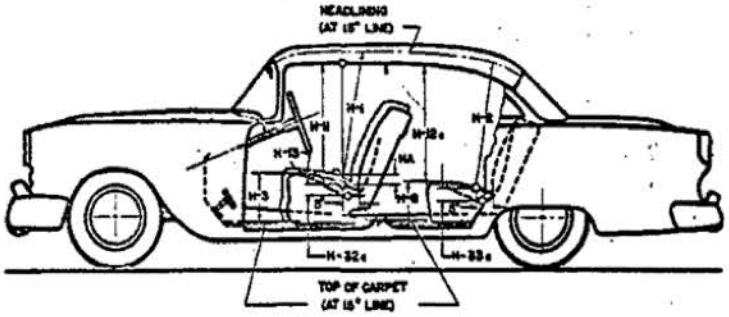
(a) Vertical in rh sidewall on 9-passenger only.

(b) Overall: Sedans 30.0 cu.ft. Station Wagon 92.0 cu.ft.(rear seat folded)
Sport Coupe 32.0 cu.ft.(with luggage set 20.1)
Convertible 29.5 cu.ft.(with luggage set 19.3)

AMA Specifications — Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 10-16-58

BODY—HEIGHT DIMENSIONS--INTERIOR



MODEL 1200-1600-1800 Series V8	4-Door Sedan	4-Door Station Wagon
H1. Front headroom—from free "A" pt. to headlining at 8° back of vertical on 15" line. (For "A" pt. see note 1, page 19)	36.1	35.8
H2. Rear headroom—from free "A" pt. to headlining at 8° back of vertical on 15" line.	34.3	36.9(a) 34.0(b)
H3. Front cushion height above low point on floor carpet on 15" line (front edge of cushion).	9.2	9.3
H8. Rear cushion height above low point on floor carpet on 15" line (front edge of cushion).	13.8	12.2(a) 16.0(b)
H. Entrance—front—cushion ree "A" point to bottom windcord vertical.	29.3	29.2
H12a. Entrance — rear — top of cushion at vertical tangent to front of rear seat, to bottom of windcord in rear.	28.0	29.5
H13. Steering wheel clearance to seat cushion taken on arc (wheel turned for min. clearance).	5.2	
HA. Front seat maximum vertical rise at free "A" point.	.5	
HF. Front seat maximum vertical rise of free "A" point with multiple-position seat.	1.8	
H32a. Front seat depressed depth — vertical dimension from free "A" point to depressed "A" point.	4.4	
H33a. Rear seat depressed depth — vertical dimension from free "A" point to depressed "A" point.	4.5	4.4(a) 3.5(b)

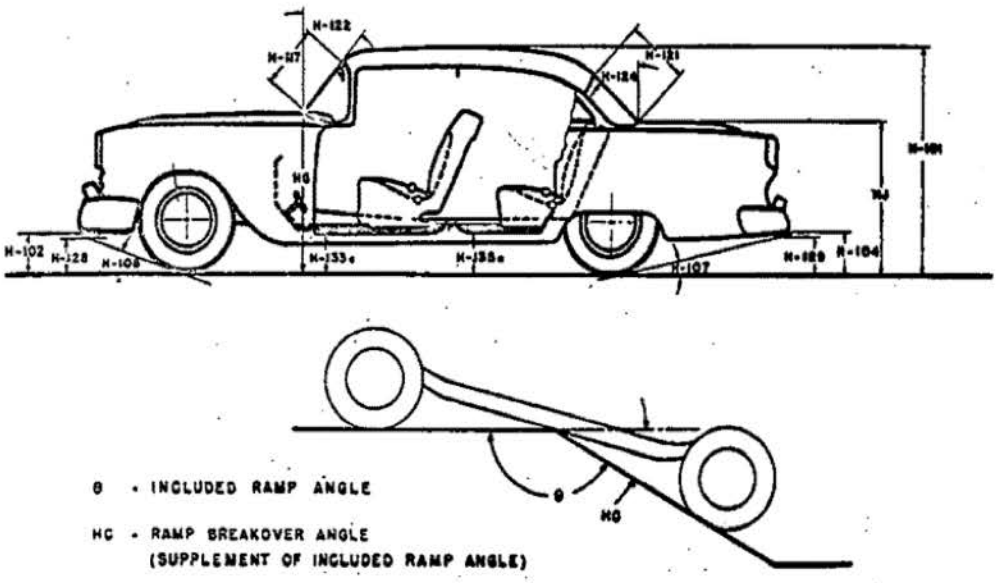
Rev. Form 1-58

(a) Rear seat (all wagons)
(b) Third seat (9-pass.wagon only)

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 11-30-58

BODY—HEIGHT DIMENSIONS—EXTERIOR



θ - INCLUDED RAMP ANGLE

HC - RAMP BREAKOVER ANGLE
(SUPPLEMENT OF INCLUDED RAMP ANGLE)

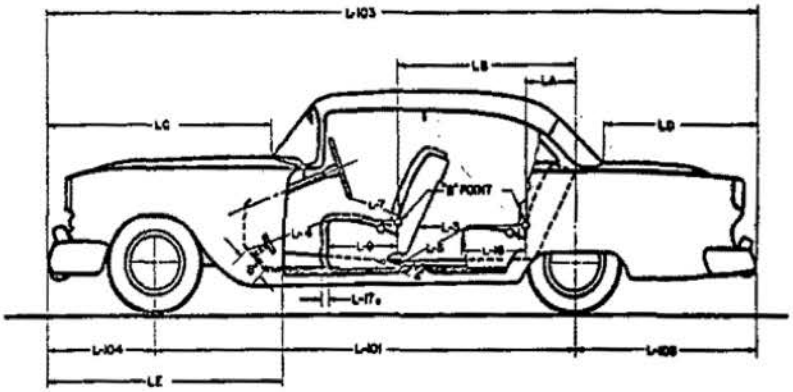
MODEL 1200-1600-1800 Series V-8	4-Door Sedan	4-Door Station Wagon
H101. Overall height - loaded.	56.0	56.3
HB. Overall height - curb weight.	58.1	58.4
H102. Front bumper bottom to ground at normal section.	14.9	
H104. Rear bumper bottom to ground at normal section.	15.4	
H106. Angle of appr.-fr. tire static loaded rad. to interfering pt. on fr. bumper, gd., other.	26°	
H107. Angle of dep.-fr. tire static loaded rad. to interfering pt. on rr. bumper, gd., other.	12° 45'	
HC. Ramp breckover angle.*	12° 30'	
H117. Windshield DLO-slant height.	26.6	
H121. Backlight DLO*-max., slant height.	22.7	24.0
H122. Windshield slope angle to vertical line on car axis.	48° 45'	
H124. Backlight slope angle to vertical line on car axis.	59° 0'	25° 0'
H128. Ground to bottom of front bumper guard.	10.8	
H129. Ground to bottom of rear bumper guard.	11.4	
H133a. Bottom of front door to ground, min. dimension - car loaded.	11.7	11.9
H135a. Bottom of rear door to ground, min. dimension - car loaded.	11.5	11.7
HD. Min. road clear. (5 pass. load) & loc.	6.0 (at muffler)	
HE. Min. road clearance at rear axle.	7.3	
HG. Hood at rr. to grd.-vert. dim. excl. molding, fr. hood opening line at cowl (curb wt.)	NA	
HH. Max. ht., fr. grd. frt. of windshield (curb wt.)	NA	
HJ. Max. ht. fr. grd. back of r. window (curb wt.)	NA	

* See Notes, page 19.

AMA Specifications –Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 10-16-58

BODY–LENGTH DIMENSIONS



MODEL 1200-1600-1800 Series V8		4 Door Sedan	4 Door Station Wagon
Interior	* L3. Rear compartment of front seat back to rear seat back.	29.2	29.3(a) 34.5(b)
	* L4. Leg room—front—ball of foot to top of seat to seat back--15" line.	45.0	44.8
	* L5. Leg room—rear—from ball of foot to top of seat cushion and to seat back-	42.8	41.7(a) 38.3(b)
	L7. Steering wheel clearance to seat back taken on arc.	14.2	
	* L9. Front seat depth (front edge to vert. tan. to seat back on 15" line).	19.0	18.3
	* L16. Depth of rear seat (front edge to seat back).	18.3	18.6(a) 18.0(b)
	L17a. Total adjustment of front seat at front lower seat frame.	4.7(c)	
	LA. Rear seat "B" point to center line of rear axle.	18.5	18.9(a) 12.6(negative)(b)
	LB. Front seat "B" point to center line of rear axle.	53.7	
	LC. Front of car to base of windshield.	52.8	
	LD. Rear of car to base of rear window or upper structure.	45.4	14.7
	LE. Front of car to front edge of front door.	65.1	
Exterior	L101. Wheelbase.	119.0	
	L103. Overall length (bumper to bumper inc. guards).	210.9	
	L104. Overhang—front including bumper guards.	32.6	
	L105. Overhang—rear including bumper guards.	59.3	

* Dimension taken on 15" line—see notes 1 & 2, page 19.

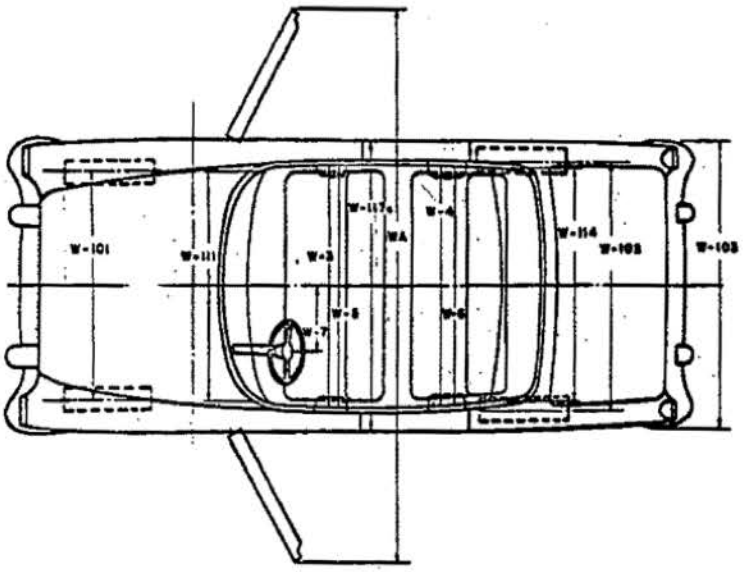
Rev. Form 1-58

(a) Rear seat (all wagons)
(b) Third seat (9-pass. wagon only)
(c) 4.8 on multiple position seat.

AMA Specifications –Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 1-30-59

BODY—WIDTH DIMENSIONS



MODEL 1200-1600-1800 Series V8		4-Door Sedan	4-Door Station Wagon
Interior	W3. Front shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	60.5	60.5
	W4. Rear shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	59.7	59.2(a) 57.5(b)
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back.	66.1	66.1
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back.	65.5	66.0(a) 46.5(b)
	W7. Steering wheel center to center of body.	15.9	
Exterior	W101. Front tread at ground.	60.3	
	W102. Rear tread at ground.	59.3	
	W103. Max. overall width of car including bumpers or mouldings.	79.9	
	WA. Max. overall width of car with doors open.	148.9 (front)(c)	148.9 (front)(c)
	W111. Windshield DLO, max. width.	64.6	
	W114. Back window DLO, max. width.	61.2	45.4
	W117a. Max. body width at center pillar, less hardware and applied moldings.	79.1	79.0

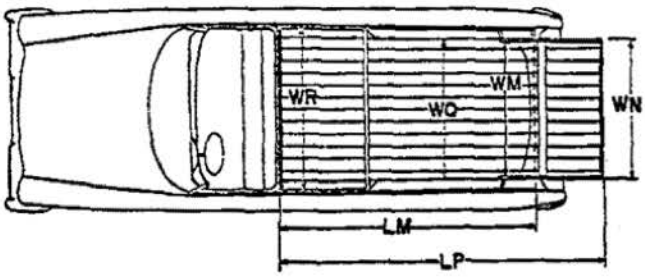
Rev. Form 1-58

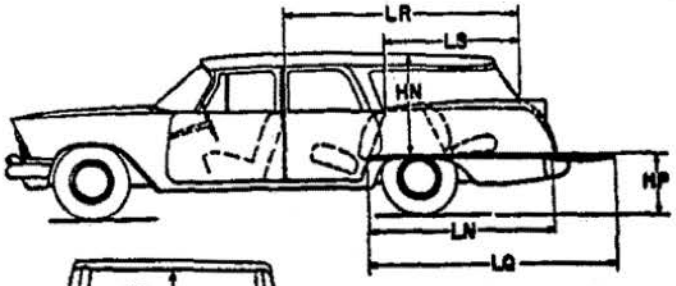
(a) Rear seat (all wagons)
(b) Third seat (9- pass. wagon only)
(c) Doors in check position

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 1-30-59

STATION WAGON—CARGO SPACE DIMENSIONS





NOTE: Front seat in full down and rearmost position for all measurements.

MODEL 1200-1600-1800 Series V8	4-Door Station Wagon
LM Floor length from bottom of front seat to inside of tail gate in raised position.	94.8
LN Floor lgth. from bottom of second seat to inside of tail gate in raised position.	60.0
LP Floor lgth. from bottom of front seat to end of tail gate in lowered position.	120.1
LQ Floor lgth. from bottom of second seat to end of tail gate - tail gate lowered.	85.3
HM Maximum hgth. of rear opening - tail gate lowered.	26.7
WM Rear end opening width at floor.	47.6
WN Rear end opening width at top of tail gate.	46.0
WQ Minimum distance between wheelhouses.	46.4
WP Maximum width of rear opening above raised tail gate.	44.6
WR Maximum width of cargo space at floor.	66.0
LR Cargo horizontal distance from top rear of front seat back to top of tail gate.	84.2
LS Cargo horizontal distance from top rear of second seat back to top of tail gate.	48.2
HN Maximum height of roof above floor at center line of car.	32.1
HP Platform height of end of lowered tail gate - curb weight.	27.5
Third Seat - facing direction.	Rearward (a)

a) 9-passenger model only

AMA Specifications –Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE: ISSUED 7-15-58 REVISED 1-30-59

MODEL 1200-1600-1800 Series V-8

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear) — Front doors	Front
Drs. hinged (front, rear) — Rear doors	Front
Type of finish (lacquer, enamel).	Acrylic lacquer
Hood hinge location (front, rear).	Rear
Hood counterbalanced (yes, no).	Yes
Hood release control (internal, external).	External
Vehicle (Serial) No. Location	Left front body hinge pillar
Engine No. location	Front right side of cylinder block
Theft protection - type	Shielded ign.lock terminals,key removable in"lock"or"on"pos.only
Vent window control method (crank, friction pivot).	Crank
Windshield type (single curved, compound curved, other)	Single, compound curved
Rear window type (flat, curved, one piece, three piece)	Single curved
Side glass type (curved, flat)	Flat
Windshield glass area D.L.O.	1740.1 (a)
Backlight glass area D.L.O.	(b)
Total glass area D.L.O.	(c)

BODY—TYPES AND STYLE NAMES —

Body type, number of passengers & style names; use manufacturer's code for series & body style.

BODY STYLES:		CODES
Biscayne	1211	2-door sedan - 6 passenger
	1219	4-door sedan - 6 passenger
	1221	2-door utility sedan - 3 passenger
	1270	2-door sedan delivery - 1 passenger
El Camino	1280	2-door sedan pickup - 3 passenger
Bel Air	1611	2-door sedan - 6 passenger
	1619	4-door sedan - 6 passenger
	1639	4-door sport sedan - 5 passenger
Impala	1819	4-door sedan - 6 passenger
	1837	2-door sport coupe - 5 passenger
	1839	4-door sport sedan - 5 passenger
	1867	2-door convertible - 5 passenger
Station Wagon	1215	2-door station wagon - 6 passenger (Brookwood)
	1235	4-door station wagon - 6 passenger (Brookwood)
	1635	4-door station wagon - 6 passenger (Parkwood)
	1645	4-door station wagon - 9 passenger (Kingswood)
	1835	4-door station wagon - 6 passenger (Nomad)

(a) Impala sport coupe, sport sedan, convertible: 1711.8

(b) 2-4 door sedans: 1553.7,sport sedan: 1309.1, sport coupe: 1726.8, convertible (plastic): 963.9, station wagons: 623.2, sedan delivery: 579.2, sedan pickup 1034.5

(c) 2-door sedan: 4737.7 (utility sedan: 4722.8), 4-door sedans 4687.1, sport sedan: 4148.6, sport coupe: 4670.1, convertible (includes plastic backlight) 3685.1, 2-door sta.wgn.: 4964.0, 4-door sta. wgn. 4961.7, sedan delivery: 3140.1, sedan pickup: 3465.8.

AMA Specitications -- Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1959 DATE. ISSUED 7-15-58 REVISED 2-12-59

MAJOR OPTIONAL ITEMS - WEIGHTS

1200-1600-1800 Series V-8

	CURB - WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING * WEIGHT
				Pass. In Front		Pass. In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
Model								
1211- 2-door sedan	1860	1830	3690	32	68			3530
1219- 4-door sedan	1890	1870	3760	32	68			3600
1221- utility sedan	1865	1805	3670	47	53			3490
1270- sedan delivery	1800	1975	3775	47	53%			3635
1280- sedan pickup	1895	1825	3720	47	53%			3580
1611- 2-door sedan	1875	1795	3670	32	68			3510
1619- 4-door sedan	1910	1865	3775	32	68			3615
1639- sport sedan	1915	1875	3790	35	65			3630
1819- 4-door sedan	1915	1865	3780	32	68			3620
1837- sport coupe	1900	1835	3735	37	63			3580
1839- sport sedan	1935	1900	3835	35	65			3670
1867- convertible	1950	1860	3810	37	63			3650
1215- 2-door sta. wagon	1820	2180	4000	32	68			3860
1235- 4-door sta. wagon	1845	2255	4100	32	68			3955
1635- 4-door sta. wagon	1860	2250	4110	32	68			3970
1645- 4-door sta. wagon	1845	2320	4165	17	83			4015
1835- 4-door sta. wagon	1865	2250	4115	32	68			3975
% Plus 100% of payload.								

Accessories & Equipment Differential Weights				Remarks
Air conditioning			+ 150	
Brakes, power			+ 15	All vehicle and equipment
Engine, 348 cu. in. V8			+ 145	weights are production weights.
Fuel Injection			+ 46	Equipment weights are average.
Heater, air flow			+ 24	
Heater, recirculating			+ 18	
Radio & ant., manual			+ 9	
Radio & ant. pushbutton			+ 12	
Seat, power			+ 19	
Steering, power			+ 22	
Suspension, air			+ 23	
Trans., 4-speed			+ 18	
Trans. - Overdrive			+ 42	
Trans. - Powerglide			+ 106	
Trans. - Turboglide			+ 24	
Windows, power			+ 9	

Rev. Form 1-58

* Curb weights are weights that are reported to states for licensing purposes.

INDEX