

# 1972 AMA SPECIFICATIONS FORM ... Passenger Car

<b>MANUFACTURER</b> <p style="text-align: center;">Chevrolet Motor Division General Motors Corporation</p>	<b>CAR NAME</b> <p style="text-align: center;">CHEVELLE</p>	
<b>MAILING ADDRESS</b> <p style="text-align: center;">Chevrolet Engineering Center 30003 Van Dyke Warren, Michigan 48090</p>	<b>MODEL YEAR</b> <p style="text-align: center;">1972</p>	<b>ISSUED:</b> <p style="text-align: center;">September 1971</p> <hr style="border: 0; border-top: 1px solid black;"/> <b>REVISED (9)</b>

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# AMA Specifications Form—Passenger Car

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### NOTES:

1. The General Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
2. UNLESS OTHERWISE INDICATED:
  - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
  - b. Nominal design dimensions are used throughout these specifications.
  - c. All dimensions are in inches.

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (e)

BODY MODEL	Body Series, Type and Number. (Use mfr's. code for identification)		Number of Passengers (Indicate Front/Rear)	
	L-6 Engine Models	V-8 Engine Models	Front	Rear
<u>CHEVELLE</u>				
2-Door Sport Coupe	13337	13437	2	3
4-Door Sedan	13369	13469	3	3
<u>MALIBU</u>				
2-Door Sport Coupe	13537	13637	2	3
4-Door Sport Sedan	---	13639	3	3
2-Door Convertible	---	13667	2	3
4-Door Sedan	13569	13669	3	3
<u>STATION WAGONS</u>				
Normad, 4-Door, 2-Seat	13136	13236		
Greenbrier, 4-Door, 2-Seat	---	13436		
Greenbrier, 4-Door, 3-Seat	---	13446		
Concours, 4-Door, 2-Seat	---	13636		
Concours, 4-Door, 3-Seat	---	13646		
Concours Estate 4-Door, 2-Seat	---	13836		
Concours Estate 4-Door, 3-Seat	---	13846		
<u>EL CAMINO</u>				
Standard 2-Door Sedan Pickup	13380	13480	3	-
Custom 2-Door Sedan Pickup	---	13680	3	-

NOTE: ANY SPECIFICATIONS ON THE FOLLOWING PAGES THAT ARE SPECIFIC TO CALIFORNIA ARE INDICATED ACCORDINGLY.

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (\*)

## CAR AND BODY DIMENSIONS

See Pages 27, 28 for SAE Dimension Definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for:  
4-Dr. Sedan, 2-Dr. H.T., 4-Dr. H.T., Convertible and Station Wagon.

MODEL	SAE Ref. No.	4-Door Sedan	2-Door Spt. Cpe.	4-Door Spt. Sedan	Convertible	Station Wagon	Sedan Pickup	
<b>WIDTH</b>								
Track - Front	W101			60.0		59.3*		
Track - Rear	W102			59.9		59.2		
Maximum overall car width	W103				75.4			
Body width at No. 2 pillar	W117	72.4	--	72.4	--	74.2	--	
Max. front doors open	W120	132.3	150.1	132.3	150.1	132.3		
Max. rear doors open	W121	134.4	--	134.4	--	134.2	--	
<b>LENGTH</b>								
Body "O" to front of dash	L 30				0.0			
Wheelbase	L101	116.0	112.0	116.0	112.0	116.0		
Overall car length	L103	201.5	197.5	201.5	197.5	206.8		
Overhang - front	L104				37.8			
Overhang - rear	L105				47.4		53.0	
Body upper structure length	L123	102.1	96.8	102.1	94.7	130.8	59.2	
Body "O" line to $\text{C}$ of rear wheel	L127	99.5	95.5	99.5	95.5	99.5		
Body "O" line to w/s cowl point	L130				10.4			
<b>HEIGHT</b>								
Passenger Distribution (front & rear)				2-3		2-3-2(a)	2-Front	
Trunk/Cargo load (lbs.)				200		300	800	
Overall height	H101	53.3	52.7	53.3	52.9	54.4		
Cowl height	H114	38.0	38.1	38.0	38.1	39.4	39.1	
Deck height	H138							
Rocker panel - front	H112	To ground	8.5	8.6	8.5	8.6	9.4	
From front wheel $\text{C}$								
Bottom of front door to ground	H133	10.5	10.2	10.5	10.2	12.1 (b)	12.6	
Rocker panel - rear	H111	To ground	7.5	7.2	7.5	7.2	9.2	8.5
From rear wheel $\text{C}$								
Bottom of rear door to ground	H135	10.1	--	10.1	--	11.7 (c)	--	
Windshield slope angle	H122				53.0			
<b>GROUND CLEARANCE</b>								
Bumper to ground - front	H102	13.8	14.3	13.8	14.3	15.0		
Bumper to ground - rear	H104	15.7	15.1	15.7	15.1	12.9	11.9	
Angle of approach	H106	22.1	25.6	22.0	25.6	25.2	25.4	
Angle of departure	H107	21.1	20.7	21.0	20.5	17.0	16.5	
Ramp breakover angle	H147	13.4	13.8	13.3	13.7	15.5	15.0	
Rear axle differential to ground	H153			7.0		7.3	7.1	
Min. running clearance (Specify)(d)	H156	4.7	4.6	4.7	4.6	6.2	5.2	

\* - 60.2 with disc brakes.

(a) - 3-seat wagon.

(b&c) - 2-seat wagon 12.6.

(d) - Exhaust system to ground.

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (\*)

**CAR AND BODY DIMENSIONS**

See Pages 27, 29 for SAE Dimension Definitions

MODEL	SAE Ref. No.	4-Door Sedan	2-Door Spt. Cpe.	4-Door Spt. Sedan	Convertible	Station Wagon	Sedan Pickup
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**FRONT COMPARTMENT**

H Point to body "O" line	L31					43.0	
Effective head room	M61	38.5	37.5	38.1		38.3	38.2
Max. eff. leg room - accelerator	L34	42.7				42.8	42.5
H Point to Heel point	H30					8.1	
H Point travel	L17					4.8	
Shoulder room	W 3	58.2	58.2	58.4		58.2	58.2
Hip room	W 5	59.8	59.7	59.5		59.7	59.8
Upper body opening to ground	H50	48.6	48.5	49.1		48.6	50.0

**REAR COMPARTMENT**

H Point couple distance	L50	32.8	30.6	32.8		30.6	32.8	--
Effective head room	H63	37.1	36.3	37.1		36.9	38.6	--
Min. effective leg room	L51	35.0	32.3	34.9		32.3	34.8	--
H Point to Heel point	H31	10.8	10.1	10.7		10.1	10.6	--
Min. knee room	L48	2.3	0.7	2.3		0.7	2.3	--
Rear Compartment room	L 3	25.8	23.7	25.8		23.7	26.1	--
Shoulder room	W 4	57.3	56.9	57.2		56.9	57.4	--
Hip room	W 6	59.2	52.9	59.2		50.4	59.3	--
Upper body opening to ground	H51	48.2	--	48.6		--	49.8	--

**LUGGAGE COMPARTMENT**

Usable luggage capacity (cu. ft.)	V 1	12.8	12.8	13.5		9.0		---
Liftover height	H195	26.6	25.9	26.6		25.9	--	28.7
Position of spare tire storage		Horizontal; right side of trunk					(b)	(a)
Method of holding lid open		Boxed hinges with torsion rod					--	--

**STATION WAGON - THIRD SEAT**

Shoulder Room	W85						57.5	
Hip room	W86						47.0	
Effective leg room	L86						30.6	
Effective head room	H86						35.9	
Seat facing direction								Rearward

**STATION WAGON - CARGO SPACE**

Cargo length at floor - front seat	L202					90.9	79.3
Cargo length at belt - front seat	L204					79.9	--
Cargo width - Wheelhouse	W201					44.5	45.3
Opening width at belt	W204					49.6	--
Maximum cargo height	H201					31.6	--
Rear opening height	H202					28.6	--
Cargo volume index (cu. ft.) W4 x L204 x H201 1728	V2					84.0 *	38.5

(a) - Behind passenger's seat.

(b) - Rear quarter.

\* 2 seat wagon with 3rd seat well 94 cu. ft.

\* 3 seat wagon 89 cu. ft.

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (e)

**CHEVELLE & MALIBU MODELS POWER TEAMS**

(Indicate whether standard or optional)

Gross bhp (brake horsepower) and gross torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.  
 Net bhp (brake horsepower) and net torque corrected to 85° F and 29.38 in. Hg atmospheric pressure.

MODEL AVAILABILITY	ENGINE						TRANSMISSION	AXLE RATIO** (Std. first) (Indicate A/C ratio)#									
	Displ. cu. in.	Carb.	Compr. Ratio	Gross @RPM		Net @RPM		A	B	C							
				BHP	Torque	BHP					Torque						
All Models Except Convertible And Sport Sedan	Turbo Thrift 250L6 (base)	One; 1-bbl	8.5:1			110 @ 3800	185 @ 1600	3-Spd. Manual (2.85:1 low)	3.08	--	--						
								2-Spd. automatic									
ALL MODELS	Turbo Fire 307V8 (base)	One; 2-bbl	8.5:1			130 @ 4000	230 @ 2400	3-Spd. Manual (2.85:1 low)	3.08	--	--						
								2-Spd. automatic*									
								3-Spd. automatic*				2.73	3.08	3.31			
	Turbo Fire 350 V8 (L65)*	One; 2-bbl					165 @ 4000	280 @ 2400	3-Spd. Manual (2.54:1) Calif. only.	3.08	--	--					
													4-Spd. Manual* (2.54:1 low)	3.36	--	--	
													3-Spd. automatic*				2.73
	Turbo Fire 350V8 (L48)*	One; 4-bbl	8.5:1				175 @ 4000	280 @ 2400	3-Spd. Manual (2.54:1 low)	3.31	--	--					
													4-Spd. Manual (2.54:1 low)				
													3-Spd. automatic*	2.73	--	3.31	
	Turbo Jet 402V8 (LS3)*	One; 4-bbl	8.5:1				240 @ 4400	345 @ 3200	H. D. 3-Spd. Mnl. (2.42:1 low)	3.31	--	--					
									4-Spd. Manual (2.52:1 low)								
									3-Spd. automatic*				2.73	--	3.31		
Sport Coupe And Convertible	Turbo Jet 454V8 (LS5)*	One; 4-bbl	8.5:1			270 @ 4000	390 @ 3200	H. D. 4-Spd. Mnl. (2.20:1 low)	3.31	--	--						
												3-Spd. automatic*					
* - Optional **- Position available optionally for all ratios								A - Standard									
								B - Performance option									

# - Same ratios available for A/C (V-8 engines only) C - Trailer option

NOTE: V8-307, 402 and 454 ENGINES ARE NOT AVAILABLE IN CALIFORNIA.  
THE BASE V8 ENGINE FOR CALIFORNIA IS THE V8-350.

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED \_\_\_\_\_ REVISED (\*) \_\_\_\_\_

**STATION WAGONS & PICKUPS POWER TEAMS**

(Indicate whether standard or optional)

Gross bhp (broke horsepower) and gross torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

Net bhp (broke horsepower) and net torque corrected to 85° F and 29.38 in. Hg atmospheric pressure.

MODEL AVAILABILITY	ENGINE						TRANSMISSION	AXLE RATIO** (Std. first) (Indicate A/C ratio)#			
	Displ. cu. in.	Carb	Compr. Ratio	Gross @RPM		Net @RPM		A	B	C	
				BHP	Torque	BHP					Torque
NOMAD & STANDARD PICKUP ONLY	Turbo Thrift 250L6 (base)	One; 1-bbl	8.5:1			110 @ 3800	185 @ 1600	3-Spd. Manual (2.85:1 low)	3.36	--	--
								2-Spd. automatic			
ALL MODELS	Turbo Fire 307V8 (base)	One; 2-bbl	8.5:1			130 @ 4000	230 @ 2400	3-Spd. Manual (2.85:1 low)	3.36	--	--
								2-Spd. automatic*			
								3-Spd. automatic*			
	Turbo Fire 350V8 (L65)*	One 2-bbl	8.5:1			165 @ 4000	280 @ 2400	3-Spd. Manual (2.54:1) Calif. only	3.36	--	--
								4-Spd. Manual (2.54:1 low)			
								3-Spd. automatic*			
	Turbo Fire 350V8 (L48)*	One; 4-bbl	8.5:1			175 @ 4000	280 @ 2400	3-Spd. Manual (2.54:1 low)	3.31	--	--
								4-Spd. Manual (2.54:1 low)			
								3-Spd. automatic*			
	Turbo Jet 402V8 (LS3)*	One; 4-bbl	8.5:1			240 @ 4400	345 @ 3200	H. D. 3-Spd. Mnl. (2.42:1 low)	3.31	--	--
							4-Spd. Manual (2.52:1 low)				
							3-Spd. automatic*	2.73			
PICKUP MODELS ONLY	Turbo Jet 454V8 (LS5)*	One; 4-bbl	8.5:1			270 @ 4000	390 @ 3200	H. D. 4-Spd. Mnl. (2.20:1 low)	3.31	--	--
								3-Spd. automatic*			
* - Optional ** - Positraction available optionally for all ratios # - Same ratios available for A/C (V8 engines only)								A - Standard B - Performance option C - Trailer option			

NOTE: V8-307, 402 and 454 ENGINES ARE NOT AVAILABLE IN CALIFORNIA.  
THE BASE V8 ENGINE FOR CALIFORNIA IS THE V8-350. (L65)

## AMA Specifications Form--Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (\*)

MODEL	Turbo-Thrift 250 Standard	Turbo-Fire 307 Standard	Turbo-Fire 350 RPO L65
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## ENGINE - GENERAL

Type, no. cyls., valve arr.	In-line 6 OHV	90° V-8 OHV	
Bore and stroke (nominal)	3.875x3.53	3.875x3.25	400x3.48
Piston displacement, cu. in.	250	307	350
Bore spacing (C to C)		4.40	
No. system	1-2-3-4-5-6	1-3-5-7	
(front to rear)	In-line	2-4-6-8	
Firing Order	1-5-3-6-2-4	1-8-4-3-6-5-7-2	
Cylinder Head Material		Cast alloy iron	
Cylinder Block Material		Cast alloy iron	
Cyl. Sleeve: Wet, dry, none		None	
Number of mtg. points	Front	Two	
	Rear	One	
Engine installation angle		4° 46'	
Taxable Horsepower	36.0	48.0	51.2
Recommended fuel regular - premium		Regular (unleaded or low lead)	
Cylinder Head Volume (cc)	72.71	74.56	75.47
Head Gasket Thickness (Compressed)	.032	.021	.021
Head Gasket Volume (cc)	6.86	4.32	4.58
Deck Clearance (nominal) (above or below block)	.008 (below)	.025 (below)	.025 (below)
Minimum Combustion Chamber Volume (cc)	71.71	74.47	74.47

## ENGINE - PISTONS

Material	Cast aluminum alloy		
Description and finish	Sump head; slipper skirt	Flat head, notched; slipper skirt	Sump head; slipper skirt
Weight (piston only) oz.	28.80	22.00	21.17
Clearance (limits)	Top land	.0245-.0335	.0235-.0325
	Skirt	Top	.0005-.0015 (a)
		Bottom	.0005-.0015 (b)
Ring groove diameter	No. 1 ring	3.434-3.444	3.442-3.452
	No. 2 ring	3.434-3.444	3.442-3.452
	No. 3 ring	3.446-3.456	3.454-3.464
	No. 4 ring		---

- (a) Measured 2.44 from top of piston.  
 (b) Measured 1.675 from top of piston.  
 (c) Measured 1.56 from top of piston.



## AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (e)

MODEL	Turbo-Fire 350 RPO L48	Turbo-Jet 402 RPO LS3	Turbo-Jet 454 RPO LS5
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## ENGINE—GENERAL

Type, no. cyls., valve arr.	90° V-8 OHV		
Bore and stroke (nominal)	4.00x3.48	4.126x3.76	4.251x4.00
Piston displacement, cu. in.	350	402	454
Bore spacing (¢ to ¢)	4.40	4.84	
No. system (front to rear)	L. Bank	1-3-5-7	
	R. Bank	2-4-6-8	
Firing Order	1-3-4-3-6-5-7-2		
Cylinder Head Material	Cast alloy iron		
Cylinder Block Material	Cast alloy iron		
Cyl. Sleeve-Wet, dry, none	None		
Number of mtg. points	Front	Two	
	Rear	One	
Engine installation angle	4° 46'		
Taxable horsepower $\frac{D \times \pi^2 \times \text{No. Cyl.}}{2.5}$	51.2	54.5	57.8
Recommended fuel regular - premium	Regular (unleaded or low lead)		
Cylinder Head Volume (cc)	75.47	113.06	113.06
Head Gasket Thickness (Compressed)	.021	.028	.028
Head Gasket Volume (cc)	4.58	6.69	7.10
Deck Clearance (minimum) (above or below block)	.025 (below)	.018 (below)	.020 (below)
Minimum Combustion Chamber Volume (cc)	74.47	112.06	112.06

## ENGINE - PISTONS

Material	Cast aluminum alloy			
Description and finish	Sump head; slipper skirt	Domed head; valve cutout	Flat head; valve cutout	
Weight (piston only) oz.	21.17	29.70	30.85	
Clearance (limits)	Top land	.0235-.0325	.0310-.0370	
	Skirt	Top .0007-.0017 (a) Bottom	.0018-.0028 (b)	.0024-.0034 (c)
Ring groove diameter	No. 1 ring	3.546-3.556	3.649-3.659	3.770-3.780
	No. 2 ring	3.546-3.556	3.649-3.659	3.770-3.780
	No. 3 ring	3.582-3.592	3.678-3.688	3.803-3.813
	No. 4 ring			

- (a) Measured 1.56 from top of piston.  
 (b) Measured 1.878 from top of piston.  
 (c) Measured 1.64 from top of piston.

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (a)

<b>MODEL</b>	L6-250 Standard	V8-307 Standard	V8-350 L65 & L48	V8-402 LS3	V8-454 LS5
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**ENGINE – RINGS**

<b>Function</b> (top to bottom)	No. 1, oil or comp.	Compression			
	No. 2, oil or comp.	Compression			
	No. 3, oil or comp.	Oil			
	No. 4, oil or comp.	--			
<b>Compression</b>	Description - Upper	Cast alloy iron, barrel face (a)			
	material, coating, etc. Lower	Cast alloy iron, inside bevel, tapered face (b)			
	Width	(c)	(d)	(e)	(f)
	Gap	.010-.020		(g)	.010-.020
<b>Oil</b>	Description - material, coating, etc.	Multi-piece (2 rails and 1 spacer expander) Rails-steel, chrome plated O. D. ; expander-stainless steel			
	Width	.1870-.1890 assembled			
	Gap	.015-.055		.010-.030	
<b>Expanders</b>		In oil ring assembly			

**ENGINE – PISTON PINS**

<b>Material</b>		Chromium steel			
<b>Length</b>		2.990-3.010		2.930-2.950	
<b>Diameter</b>		.9270-.9273		.9895-.9898	
<b>Type</b>	Lacked in rod, in piston, floating, etc.	Locked in rod			
	Bush. In rod or piston ing Material	None			
		--			
<b>Clearance</b>	In piston	.00015-.00025		(h)	.0003 - .0004
	In rod				
<b>Direction &amp; amount offset in piston</b>		Major thrust side .060			

**ENGINE – CONNECTING RODS**

<b>Material</b>		Drop forged steel			
<b>Weight (oz.)</b>		12.50	20.80	27.84	
<b>Length (center to center)</b>		5.695-5.705		6.130-6.140	
<b>Bearing</b>	<b>Material &amp; Type</b>	Copper lead alloy steel backed		Premium aluminum	
	Overall length	.807	.797	.847	
	Clearance (limits)	.0007-.0027	.0013-.0035		.0009-.0025
	End play	.009-.014	.008-.014		.015-.023

(a) Molybdenum spray on L6-250; Chrome plate V8-307 & 350; molybdenum inlay on V8-402 and 454.

(b) Chrome plate on V8-402 only; wear resistant coating on all others.

(c) Upper .0775-.0780; lower .0770-.0780.

(d) Upper .0775-.0780; lower .0770-.0775.

(e) Upper and lower .0770-.0780.

(f) Upper and lower .0770-.0775.

(g) Upper .010-.020; lower .013-.025.

(h) .00025-.00035.

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (e)

<b>MODEL</b>	L6-250 Standard	V8-307 Standard	V8-350 L48	V8-402 LS3	V8-454 LS5
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## ENGINE - CRANKSHAFT

Material		Cast nodular iron			Forged steel
Vibration damper type		Rubber mounted inertia			
End thrust taken by bearing (No.)		7		5	
Crankshaft end play		.002-.006		.006-.010	
Material & type		Steel backed insert; copper lead alloy or premium aluminum lining selected for specific application			
Clearance		(a)		(b)	
Main bearing	Journal dia. and bearing overall length	No. 1	No. 2	No. 3	No. 4
		2.3004x.752	2.4502x.752	2.7504x.962	2.7492x.992
		2.3004x.752	2.4502x.752	2.7504x.962	2.7504x.992
		2.3004x.752	2.4502x.752	2.7504x.962	2.7504x.992
		2.3004x.752	2.4502x.752	2.7504x.962	2.7504x.992
		2.3004x.752	2.4508x1.177	2.7505x1.256	2.7499x1.256
		2.3004x.752		None	
Dir. & amt. cyl. offset		None			
No. bolts/main brg. cap		14 & 7		10 & 5	
Crankpin journal diameter		1.999-2.000		2.199-2.200	

## ENGINE - CAMSHAFT

Location		(c)		In block above crankshaft		
Material		Cast alloy iron				
Bearings	Material	Steel backed babbitt				
	Number	4		5		
Type of Drive	Gear or chain	Gear		Chain		
	Crankshaft gear or sprocket material	Steel		Steel sprocket		
	Camshaft gear or sprocket material	(d)		Nylon teeth with aluminum hub		
	Timing chain	No. of links	None		46	
		Width	None		.740	
Pitch		None		.500		

- (a) No. 1 - .0008-.0020  
 No. 2, 3 & 4 - .0011-.0023  
 No. 5 - .0017-.0033
- (b) No. 1 - .0007-.0019  
 No. 2, 3 & 4 - .0013-.0025  
 No. 5 - .0019-.0035

- (c) Above and to right of crankshaft  
 (d) Bakelite and fabric composition with steel hub

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED <sup>(a)</sup>

MODEL		L6-250 Standard	V8-307 Standard	V8-350 L65 & L48	V8-402 LS3	V8-454 LS5
<b>ENGINE—VALVE SYSTEM</b>						
Hydraulic lifters (Std., opt., NA)		Standard				
Valve rotator, type (intake, exhaust)		None	Exhaust			None
Rocker ratio		1.75:1	1.50:1		1.70:1	
Operating tappet clearance (indicate hot or cold)	Intake	Zero				
	Exhaust	Zero				
Timing (based on top of ramp points)	Intake	Opens (BTC)	16° (16°)	28° (44°)	30°	56°
		Closes (-ABC)	48° (48°)	72° (96°)	70°	114°
		Duration (deg.)	244° (244°)	280° (320°)	280°	350°
	Exhaust	Opens (-BBC)	46° 30' (64°)	78° (88°)	77°	110°
		Closes (-ATC)	17° 30' (50°)	30° (66°)	61°	62°
		Duration (deg.)	244° (294°)	288° (334°)	318°	352°
Valve open overlap (deg.)		33° 30' (66°)	58° (110°)		91°	118°
Material		Alloy steel; aluminized face all engines except V8-307&350 (a)				
Overall length		4.902-4.922		4.870-4.889	5.215-5.235	
Actual overall head dia.		1.715-1.725		1.935-1.945	2.060-2.070	
Angle of seat & face (deg.)		46° (seat); 45° (face)				
Seat insert material		None				
Stem diameter		.3410-.3417			.3715-.3722	
Stem to guide clearance		.0010-.0027				
Intake	Lift (+ zero lash)		.3880 (.3880)	.3900 (.4006)		.3983
	Outer spring press. & length	Valve closed (lb./in.)	56-64 @ 1.66	76-84 @ 1.68	76-84 @ 1.70	84-96 @ 1.88
		Valve open (lb./in.)	180+92 @ 1.27	194-206 @ 1.17	194-206 @ 1.25	205-225 @ 1.48
	Inner spring press. & length	Valve closed (lb./in.)	None	Spring damper		
		Valve open (lb./in.)	None	Spring damper		
	Material		High alloy steel aluminized face (a)			
Overall length		4.913-4.933			5.345-5.365	
Actual overall head dia.		1.495-1.505			1.715-1.725	
Angle of seat & face (deg.)		46° (Seat); 45° (Face)				
Seat insert material		None				
Stem diameter		.3410-.3417			.3713-.3720	
Stem to guide clearance		.0010-.0027				
Exhaust	Lift (+ zero lash)		.3880 (.4051)	.4100 (.4100)		.4300
	Outer spring press. & length	Valve closed (lb./in.)	56-64 @ 1.66	76-84 @ 1.68	76-84 @ 1.70	84-96 @ 1.88
		Valve open (lb./in.)	180-192 @ 1.27	194-206 @ 1.17	194-206 @ 1.25	205-225 @ 1.48
	Inner spring press. & length	Valve closed (lb./in.)	None	Spring damper		
		Valve open (lb./in.)	None	Spring damper		
	Material		High alloy steel aluminized face (a)			
Overall length		4.913-4.933			5.345-5.365	
Actual overall head dia.		1.495-1.505			1.715-1.725	
Angle of seat & face (deg.)		46° (Seat); 45° (Face)				
Seat insert material		None				
Stem diameter		.3410-.3417			.3713-.3720	
Stem to guide clearance		.0010-.0027				
Exhaust	Lift (+ zero lash)		.3880 (.4051)	.4100 (.4100)		.4300
	Outer spring press. & length	Valve closed (lb./in.)	56-64 @ 1.66	76-84 @ 1.68	76-84 @ 1.70	84-96 @ 1.88
		Valve open (lb./in.)	180-192 @ 1.27	194-206 @ 1.17	194-206 @ 1.25	205-225 @ 1.48
	Inner spring press. & length	Valve closed (lb./in.)	None	Spring damper		
		Valve open (lb./in.)	None	Spring damper		
	Material		High alloy steel aluminized face (a)			
Overall length		4.913-4.933			5.345-5.365	
Actual overall head dia.		1.495-1.505			1.715-1.725	
Angle of seat & face (deg.)		46° (Seat); 45° (Face)				
Seat insert material		None				
Stem diameter		.3410-.3417			.3713-.3720	
Stem to guide clearance		.0010-.0027				

(a) Head aluminized on V8-402 and 454.

NOTE: Items bracketed ( ) pertain to data on components used in engines for California only.

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (e)

MODEL L6-250 V8-307 & 350 V8-402 & 454

## 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	Centrifugally oiled from camshaft bearing
	Cylinder walls	Splash	Pressure jet cross sprayed
Oil pump type	Gear		
Normal oil pressure (lb. / engine rpm)	40 PSI @ 2000 RPM		
Oil press. sending unit (elect. or mech.)	Electric		
Type oil intake (floating, stationary)	Stationary		
Oil filter system (full flow, part., other)	Full flow		
Filter replacement (element, complete)	Complete		
Capacity of c/case, less filter-refill (qt.)	4		
Oil grade recommended (SAE viscosity and temperature range)	20° F and above - 20W, 10W-30, 10W-40, 20W-40 0° to 60° F - 10W, 5W-30, 10W-30, 10W-40 Below 20° F - 5W, 5W-20, 5W-30		
Engine Service Reqmt. (MM, MS, etc.)	MS		

## ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single with cross over	Dual with resonators
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse flow		2- mufflers 2-resonators (a)
Exhaust pipe dia. (O.D., wall thick.)	Branch	2.00 x .082 (b)	2.00 x .069 (c)
	Main	2.00 x .064	2.50 (2.00 for V8-307) x .082 (b)
Tail pipe dia. (O.D. & wall thickness)	1.88 x .069		2.00 x .069 (d)

(a) One (transverse) resonator on Pick-Ups

(b) Laminated

(c) Pipe-muffler to resonators

(d) Oval type extension.

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (\*)

<b>MODEL</b>	L6-250 Standard	V8-307 Standard	V8-350 L65 & L48	V8-402 LS3	V8-454 LS5
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**ENGINE – FUEL SYSTEM**

(See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		Carburetor			
Fuel Tank	Refill capacity (U.S. gals.)	Approximately 19; Station Wagon 18			
	Filler location	Behind hinged rear license plate (**)			
Fuel Pump	Type (elec. or mech.)	Mechanical			
	Locations	Lower right front of engine			
	Pressure range	4.00-5.00	5.50-7.00	7.50-9.00	
Vacuum booster (std., optional, none)		None			
Fuel Filter	Type	Fine mesh plastic strainer in gasoline tank and			
	Locations	paper filter (sintered bronze with V8-307) in carburetor inlet			
Carburetor	Choke type		Automatic		
	Intake manifold heat control (exhaust or water)		Exhaust		
	Air cleaner type	Standard	Thermostatically controlled; oil wetted paper element		
		Optional	---		
	Idle speed (spec. neutral or drive)	Manual - I	700	900 (800 - L48)	
Automatic - I		600			
Idle A/F mix.		Not specified			

**CARBURETOR SUPPLEMENTARY INFORMATION**

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
13100 13300 13500	250	Manual	Rochester	7042017 (7042987)	One 1-bbl	1.69
		Automatic		7042014 (7042984)		
13200 13400 13600 13800	307	Manual	Rochester	7042101 (7042821)	One; 2-bbl	1.44
		Automatic		7042100 (7042820)		
	350 245hp	Manual	Rochester	7042111 (7042831)	One; 2-bbl	1.69
		Automatic		7042112 (7042832)		
	350 270hp	Manual	Rochester	7042203 (7042903)	One; 4-bbl	1.38 Prim. 2.25 Sec.
		Automatic		7042202 (7042902)		
	402 300hp	Manual	Rochester	7042201	One; 4-bbl	1.38 Prim. 2.25 Sec.
		Automatic		7042200		
13637 13667 13680	454 365hp	Manual	Rochester	7042201	One; 4-bbl	1.38 Prim. 2.25 Sec.
		Automatic		7042200		

Note: Items bracketed ( ) are used in engines required for California.

\* - Shut off pressure - 1800 RPM at pump outlet. \*\* - Left quarter panel on station wagons.

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (a)

<b>MODEL</b>	L6-250 Standard	V8-307 Standard	V8-350 L65 & L48	V8-402 LS3	V8-454 LS5
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### ENGINE— COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure					
Radiator cap relief valve pressure		15±1 PSI					
Circulation thermostat	Type (choke, bypass)	Choke					
	Starts to open at (°F)	192°-198°					
Type (centrifugal, other)		Centrifugal					
Water pump	GPM 1000 pump rpm	20.4@2300	26.0@1900	23.8@1900	24.3@1900		
	Number of pumps	One					
	Drive (V.belt, other)	V-belt					
	Bearing type	Permanently lubricated double row ball					
By-pass recirculation type (inter., ext.)		Internal			External		
Radiator core type (cellular, tube and fin, other)		Tube and Center					
Cooling system capacity	With heater (qt.)	12	15	16	23	22	
	Without heater (qt.)	11	14	15	22	21	
	Opt. equipment-specify (qt.)	12	16	16	24	23	
Water jackets full length of cyl. (yes,no)		Yes					
Water all around cylinder (yes, no)		Yes					
Radiator hose	Lower	Number and type (molded, straight)	One, molded				
		Inside diameter	1.75		1.88		
	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		.725-.765		
Fan	Number of blades & spacing		4-staggered				
	Diameter		17.62	19.00	18.00		
	Ratio fan to crankshaft rev.		1.165:1	.949:1			
	Fan cutout type		None				
	Bearing type		Double row ball				
*Drive belts (indicate belt used by letter)	Fan		A	C	D	G	H
	Generator or alternator		A	C	D	G	H
	Water Pump		A	C	D	G	H
	Power Steering		B		E		I
	Air Conditioning		-		F		J
	Air Injection *			C		G	K

\* California Engines Only.

* Drive Belt Dimensions	A	B	C*	D	E	F	G*	H	I	J	K
Angle of V	38°-41°										
Nominal length (SAE)	37.30	48.50	51.50	44.25	36.00	54.50	47.50	45.75	41.00	58.00	
Width	.380										

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (\*)

L6-250, V8-307 & 350      L6-250 & V8-350  
 MODEL \_\_\_\_\_ (standard equipped engines) (California equipped engines)

VEHICLE EMISSION CONTROL \* Also used on standard equipped engines V8-402 & 454.

	Type (Air injection, engine modifications, other)	Engine modifications	Air Injection*	
Exhaust Emission Control	Air Injection Pump	Type	Semi-articulated vane type	
		Displacement	19.3 cubic inch	
		Drive ratio	1.15:1	
		Drive type	Crankshaft pulley	
		Relief valve (type)	Diverter valve	
		Filter (describe)	Centrifugal air cleaner	
	Air Injection System	Air distribution (head, manifold, etc.)		Manifold
		Point of entry		Exhaust ports
		Injection tube i.d.		.2565
		Check valve type		Pressure plate type
	Backfire protection (type)		Diverter valve	
	Type (ventilates to atmo., induction system, other)	Standard Optional	Induction system --	
Crankcase Emission Control	Control Unit	Make and model	AC Spark Plug Division-6484603(L6);6484541(V8)	
		Location	Rocker cover - top rear L-6 and left front V-8	
		Energy source (manifold vacuum, carburetor, other)	Manifold vacuum	
	Complete system	Control method (variable orifice, fixed orifice, other)		Variable orifice
		Discharges (to intake manifold, other)		Intake manifold
	Air inlet (breather cap, other)		Carburetor air cleaner	
	Flame arrestor (screen, other)		Screen	
Evaporative Emission Control	Fuel Tank	Refill Capacity (U.S. gallons)	19 approximately; 18 station wagons	
		Thermal expansion volume (cu. ft.)	Approximately 10% of refill capacity	
		Pressure relief location (lbs.)	1.1 PSI	
		Vacuum relief location (lbs.)	.3 PSI	
		Vapor-liquid separator type	Standpipe	
	Carbu-retor	Vapor vented to (crankcase, canister, other)		Canister
				---
				No vents
	Vapor Storage	Storage provision (crankcase, canister, other)		Canister
				---
Volume (cu. ft.) or capacity (grams)			Approximately 50 grams storage capacity	
	Control valve type		Vacuum controlled staged purge valve	

NOT APPLICABLE



# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (•)

<b>MODEL</b>	L6-250 Standard	V8-307 Standard	V8-350 L65 & L48	V8-402 LS3	V8-454 LS5
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## ELECTRICAL – SUPPLY SYSTEM

<b>Battery</b>	Make and Model	Delco-Remy 1980141	Delco-Remy 1980145	Delco-Remy 1980149	
	Voltage Rtg. & Total Plates	12 volts - 54 plates	12 volts - 66 plates	12 volts - 90 plates	
	SAE Designation & Amp. Hr. Rtg.	45 amp/hr @ 20 hr rate	61 amp/hr @ 20 hr rate	80 amps @ 20 hr rate	
	Location	Right side of engine compartment			
	Terminal grounded	Negative			
<b>Generator or Alternator</b>	Make	Delco-Remy			
	Model	1102452	1102440	1102454	
	Type and rating	Diode rectified - 37 amps			
	Output at engine idle (neutral)	13 amps			
	Ratio—Gen. to Cr/s rev.	2, 73:1		2, 15:1	
<b>Regulator</b>	Make	Delco-Remy			
	Model	1119515			
	Type	Vibrator			
	Cutout relay	Closing voltage generator rpm	None		
		Reverse current to open	None		
	Regulated	Voltage	13.8 - 14.8 @ 85°F		
		Current	---		
	Voltage test conditions	Temperature	Operating		
Load		3-8 amperes			
Other		None			

## ELECTRICAL – STARTING SYSTEM

<b>Starting Motor</b>	Make			
	Model	1108365	1108418	1108430*
	Rotation (drive end view)	Clockwise		
<b>Motor control</b>	Switch (solenoid, manual)	Solenoid		
	Starting procedure	Manual - Place gearshift lever in neutral and depress clutch Automatic - Place gearshift lever in N or P position Initial Start - Press accelerator to floor and release. Turn ignition to START release as soon as engine starts		
	Engagement type	Positive shift solenoid		
<b>Motor Drive</b>	Pinion meshes (front, rear)		Rear	
	Number of teeth	Pinion	9	9
		Flywheel	Manual	153
			Auto.	153
	Flywheel tooth face width	Manual	.4010 - .4130	.4100 - .4220
	Auto.	.4010 - .4130	.4100 - .4220	

\* Also V8-350 (270 HP)

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (\*)

	L6-250	V8-307	V8-350		V8-402	V8-454
MODEL	Standard	Standard	L65	L48	LS3	LS5

**ELECTRICAL - IGNITION SYSTEM - DISTRIBUTOR**

Breaker gap (in.)		.019					
Cam angle (deg.)		31-34	29-31			28-30	
Brkr. arm tension (oz.)		19-23			28-32		
Distributor	Manual	1110489	1112005	1112005	1112044	1112057	1112052
	Automatic	1110489	1112039	1112005	1112045	1112057	1112052
Timing	Manual	4°BTC@700	4°BTC@900	6°BTC@900	4°BTC@800	8°BTC@800	8°BTC@800
	Automatic	4°BTC@600	4°BTC@600	6°BTC@600	8°BTC@600	8°BTC@600	8°BTC@600

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at In. of Mercury	
	Start	Intermediate	Max.	Start	Max.
	1110489	1270	14@2300	24@1400	8.00
1112005	1000	14@2200	24@4300	8.00	20@17
1112039	1320	12@2200	20@4200	8.00	20@17
1112044	1160	15@2400	22@4200	8.00	15@15.5
1112045	1335	11@2400	18@4200	7.00	15@15.5
1112052	1143	14@2000	22@3900	8.00	20@17
1112057	1260	16@2400	30@4400	8.00	20@17

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (a) \_\_\_\_\_

L6-250	V8-307	V8-350	V8-402	V8-454
Standard	Standard	L65	L48	LS3
			LS3	LS5

### ELECTRICAL – IGNITION SYSTEM

Type	Conventional – Std., Opt., N.A.	Standard	
	Transistorized – Std., Opt., N.A.	Not available	
	Other (specify)	None	
Coil	Make	Delco-Remy	
	Model	1115208   1115293	
	Amps	Engine stopped	4.0
		Engine idling	1.8
Spark Plug	Make	AC Spark Plug	
	Model	AC R46T   AC R44T	
	Thread (mm)	14	
	Tightening torque (lb. ft.)	25	
	Gap	.033-.038	
Cable	Conductor type	Linen core impregnated with electrical conducting mat'l.	
	Insulation type	Rubber with neoprene jacket	
	Spark plug protector	Neoprene	

### ELECTRICAL – SUPPRESSION

Locations & type	Non-metallic high ignition cables
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### ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speedometer	Type	In-line with pointer
	Trip odometer (std. opt., N.A.)	N. A.
Charge indicator – type		Tell-tale
Temperature indicator – type		Tell-tale
Oil pressure indicator – type		Tell-tale
Fuel indicator – type		Electric gage
Windshield wiper	Type – Standard	Electric two-speed
	Type – Optional	None
Windshield washer	Type – Standard	Push-button
	Type – Optional	None
Horn	Type	Vibrator
	Number used	One
	Amp draw (each)	4.5-6.5 @ 12.5V (low note)
Other		

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (e)

	L6-250 Standard	V8-307 Standard	V8-350 L65	V8-402 LS3	V8-454 LS5
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### DRIVE UNITS - CLUTCH (Manual Transmission)

Make & type	Chevrolet Single dry disc	Chevrolet Single dry disc, centrifugal		
Type pressure plate springs	Diaphragm	Diaphragm, bent finger design		
Total spring load (lb.)	1650-1850, 1900-2200	2100-2300	2450-2750	
No. of clutch driven discs	One			
Clutch facing	Material Woven type asbestos			
	Outside & inside dia.	9.12x6.12	10.34x6.50	11.00x6.50
	Total eff. area (sq. in.)	71.82	101.54	123.70
	Thickness	.135		.140
Engagement cushioning method	Flat spring steel between facings			
Release bearing	Type & method of lubrication	Single row ball, packed and sealed		
Torsional damping	Methods: springs, friction material	Coil springs		

### DRIVE UNITS - TRANSMISSIONS

Manual 3-speed (std., opt. N.A.)	Standard	Standard(a)	Standard (c)	N. A.
Manual 4-speed (std., opt. N.A.)	N. A.	Standard(b)	Optional	Standard(d)
Automatic (std., opt. N.A.)	Optional			

### DRIVE UNITS - MANUAL TRANS.

Number of forward speeds	3 (e)	3 (f)	3 (g)	4 (h)	4 (I)	4 (j)
Transmission ratios	In first	2.85	2.42	2.54	2.52	2.54
	In second	1.68	1.58	1.50	1.88	1.80
	In third	1.00	1.00	1.00	1.46	1.44
	In fourth	--	--	--	1.00	1.00
	In reverse	2.95	2.41	2.63	2.59	2.54
Synchronous meshing, specify gears	All forward gears					
Shift lever location	Steering column 3-Speed Floor mounted 4-Speed					
Lubricant	Capacity (pt.)	3				
	Type recommended	Meeting Military Specs. MIL-L-2105B				
	SAE viscosity number	Summer	SAE 80			
		Winter	SAE 80			
	Extreme cold	SAE 80				

- (a) California only; N. A. non-California.  
 (b) Non-California only; N. A. California.  
 (c) Heavy duty version with V8-402.  
 (d) Heavy duty version.  
 (e) Used with L6-250 & V8-307.  
 (f) Used with V8-402.  
 (g) Used with V8-350.  
 (h) Used with V8-402.  
 (I) Used with V8-350.  
 (j) Used with V8-454.

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (\*)

2-SPEED AUTOMATIC	3-SPEED AUTOMATIC	
<u>16-250   V8-307</u>	<u>V8-307 &amp; V8-350</u>	<u>V8-402 &amp; V8-454</u>

### DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name	Powerglide	Turbo Hydra-matic	
Type describe	Torque converter with planetary gears		
Selector location	Lever-steering column; floor mounted when used with console and optional bucket seats on convertible & coupes		
List gear ratios Selector Pattern and indicate which are used in each selector position	P-Park R-1.82 N-Neutral D-1.82-1.00 L-1.82	P-Park R-1.93 N-Neutral D-2.52-1.52-1.00 L2-2.52-1.52 L1-2.52	P-Park R-2.08 N-Neutral D-2.48-1.48-1.00 L2-2.48-1.48 L1-2.48
Max. upshift speed-drive range	60   64	1-2 52; 2-3 83	*
Max. kickdown speed-drive range	58   61	2-1 44; 3-2 81	*
Torque converter	Number of elements 3		
	Max. ratio at stall 2.10		
	Type of cooling (air, liquid) Water		
	Nominal diameter 11.00   11.75   12.20		
Lubricant	Capacity-refill (pt.) 6   5   8		
	Type recommended A suffix A		
Special transmission features			

### DRIVE UNITS – PROPELLER SHAFT

Number used	One		
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Straight tube		
Outer diam. x length* x wall thickness	Manual 3-speed trans.	3.25 x 59.52 x 0.065 (116" wheel base) 3.25 x 55.52 x 0.065 (112" wheel base)	
	Manual 4-speed trans.	3.25 x 59.52 x 0.065 (116" wheel base) 3.25 x 55.52 x 0.065 (112" wheel base)	
	Overdrive transmission	Not available	
	Automatic transmission	3.25 x 59.52 x 0.065 (116" wheel base) 3.25 x 55.52 x 0.065 (112" wheel base)	

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

(Continued)

- ⊖ Upshift - V8-402 (1-2 54; 2-3 91) V8-454 (1-2 50; 2-3 82)
- Downshift - V8-402 (2-1 31; 3-2 67) V8-454 (2-1 24; 3-2 58)

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (e)

**MODEL**

**DRIVE UNITS— PROPELLER SHAFT (cont.)**

Intermediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	---
Slip Yoke	Type	Yoke
	Number of teeth	27
	Spline O.D.	1. 1750-1. 1752
Universal joints	Make and Mfg. No.	Chevrolet 1285
	Number used	Two
	Type (ball and trunnion, cross)	<b>Cross</b>
	Rear attach. (u-bolt, clamp, etc.)	<b>U-bolt</b>
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Pre-Pack
Drive taken through (torque tube or arms, springs)		Control Arms
Torque taken through (torque tube or arms, springs)		Control Arms

**DRIVE UNITS— AXLE**

Type (front, rear)	Rear	
Description	Semi-floating, overhung hypoid pinion & ring gear	
Limited Slip differential, type	<b>Cone clutches or dual disc clutches</b>	
Drive Pinion Offset	1. 50	
No. of differential pinions	Two	
Pinion adjustment (shim, other)	<b>Shims</b>	
Pinion bearing adj. (shim, other)	<b>Collapsible sleeve</b>	
Wheel bearing type	Direct single row cylindrical	
Lubricant	Capacity (qt.)	4. 25 (8-1/8 ring gear); 4. 9 (8-7/8 ring gear)
	Type recommended	<b>Open Diff: Meeting Military Specs. MIL-L-2105-B</b>
	SAE vis. number	SAE 80
	SAE vis. number	SAE 80

**AXLE RATIO TOOTH COMBINATIONS**

(See page 4 for axle ratio usage)

Axle ratio		2. 73	3. 08	3. 36	2. 73	3. 31	4. 10
No. of teeth	Pinion	15	12	13	15	13	10
	Ring gear	41	37	43	41	48	41
Ring Gear O.D.		8. 125			8. 875		

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1972 DATE ISSUED 9/71 REVISED <sup>(\*)</sup>  
 6 Cyl. & V8 LS3  
 exc. "SS" 402 C.I. D. "SS" Models Station Wagon  
 & LS3 Engine

**DRIVE UNITS — TIRES AND WHEELS (STANDARD)**

<b>TIRES</b>	Size, load range, ply		E78x14B	F78x14B	F60x15B	G78x14B(a)	
	Type (bias, radial, etc.)		Bias belted				
	Normal max. load inflation pressure (cold)	Front	24				
		Rear	28				
Rev./mile @ 45 mph		800	785	801	778		
<b>WHEELS</b>	Type & material		Short, spoke disc; steel				
	Rim (size & flange type)		14 x 5		15 x 7		14 x 6
	Attachment	Type (bolt or stud)	Stud				
		Circle diameter	4.75				
		Number & size	5 hex nuts 7/16-20 UNF-2B				
	Spore wheel (same or other)		SAME				

**DRIVE UNITS — TIRES AND WHEELS (OPTIONAL)**

Size, load range, ply		F78x14B	---	G78x14D (a)
Type (bias, radial, etc.)		Bias belted		
Normal max. load inflation pressure (cold)	Front	24		
	Rear	28		
Rev./mile @ 45 mph		785	---	773
Wheel type & material		Short spoke disc; steel		
Rim (size & flange type)		14 x 6		14 x 6 Rally

**DRIVE UNITS — TIRES AND WHEELS (OPTIONAL)**

Size, load range, ply				
Type (bias, radial, etc.)				
Normal max. load inflation pressure (cold)	Front			
	Rear			
Rev./mile @ 45 mph				
Wheel type & material		Short spoke disc; steel		
Rim (size & flange type)		15 x 7 (Trans Am)		

**BRAKES — PARKING**

Type of control		Apply-foot pedal; Release-"T" handle		
Location of control		Under instrument panel, left of stg. column		
Operates on		Rear service brakes		
If separate from service brakes	Type (internal or external)	---		
	Drum diameter	---		
	Lining size (length x width x thickness)	---		

(a) As required by weight.

# AMA Specifications Form—Passenger Car

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	STANDARD	OPTIONAL (A)
--	----------	--------------

**MODEL**  
**BRAKES – SERVICE**

Type (drum) or (disc & no. of pistons)		Drum, front and rear (b)	Disc, front; drum, rear (b)		
Self adjusting (std., opt., N.A.)		Standard			
Special Valving	Type (proportion, delay, metering, other)	None	Metering & proportioning (exc. station wagons)		
Power brake make & type (remote, int., etc.)	Std. Opt.	--- Optional (c)	Standard (c) ---		
Effective area (sq. in.) *		151.6	102.9		
Gross lining area (sq. in.) **		168.9	118.1		
Swept area (sq. in.) ***		268.6	332.4		
Effectiveness	Front				
	Rear				
Drum	Diameter (nominal)	Front: 9.5 Rear: 9.5	---		
	Type and material	Composite: cast iron finned rim, steel web			
Rotor	Outer working diameter	---	11.0		
	Inner working diameter	---	7.18		
	Thickness	---	1.00		
	Material & type (vented/solid)	---	Cast iron-vented		
Wheel cylinder bore	Front	1.125	2.9375		
	Rear	0.875	0.875		
Master Cylinder	Bore	1.00	1.125		
	Stroke	1.13 (1.42 w/P. B)	1.41		
Pedal arc ratio		6.32 (4.02 w/power brake)	3.44		
Line pressure at 100 lb. pedal load		805	1025		
Shoe Clearance	Front	Self-adjusting			
	Rear	Self-adjusting			
Anti-skid device type (std., opt., N.A.)		N.A.			
Brake lining	Bonded or riveted		Bonded	Riveted-front disc	
	Front Wheel	Material	Molded asbestos		
		Size (length x width x thickness)	Prim. or out-board	9.01x2.5x0.17	5.96x2.21x0.41
			Second. or in-board	9.75x2.5x0.20	5.96x2.21x0.41
		Segments per shoe		One	
	Rear Wheel	Material	Molded asbestos		
		Size (length x width x thickness)	Prim. or out-board	9.01x2.0x0.17	
			Second. or in-board	9.75x2.0x0.20	
Segments per shoe		One			

\* Excludes rivet holes, grooves, chamfers, etc. \*\* Includes rivet holes, grooves, chamfers, etc.  
 \*\*\* Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

- (A) Standard with all station wagons except 13236 and "SS" models.
- (b) Drum-single piston, duo-service; Disc-single piston, floating caliper.
- (c) Delco Moraine, integral.



## AMA Specifications Form—Passenger Car

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## MODEL \_\_\_\_\_

## STEERING

Manual (std., opt., NA)		Standard energy absorbing steering column		
Power (std., opt., NA)		Optional		
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt: universally jointed steering shaft at base of steering wheel; 5 inch vertical range		
	(std., opt., NA)	Optional		
Wheel diameter	Manual	15.25x14.75 - Oval		
	Power	Same		
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	45.5	
		Curb to curb (l. & r.)	42.0	
	Inside rear	Wall to wall (l. & r.)	--	
		Curb to curb (l. & r.)	--	
Manual	Gear	Type	Semi-reversible, recirculating ball nut	
		Make	Saginaw Steering	
		Ratios	Gear	24.0:1
			Overall	28.7:1
	No. wheel turns (stop to stop)	5.5		
Power	Type (coaxial, linkage, etc.)		Integral gear with vane type pump	
	Make		Saginaw Steering	
	Gear	Type	Same as manual	
		Ratios	Gear	16.0-13.0:1
			Overall	18.5-12.4:1
	Pump driven by		Crankshaft pulley	
No. wheel turns (stop to stop)		2.9		
Linkage	Type		Parallelogram	
	Location (front or rear of wheels, other)		Front	
	Drag link (trans. or longit.)		None	
	Tie rods (one or two)		Two	
Steering Axis	Inclination at camber (deg.)		8-1/4±1/2	
	Bearings (type)	Upper	Ball stud with non-metallic surfaces	
		Lower	Ball stud with non-metallic surfaces	
		Thrust	None	
Whl. Align. (range of curb wt. & preferred)	Caster (deg.)		-1±1	
	Camber (deg.)		+3/4±3/4	
	Toe-in (outside track inches)		1/16 to 5/16	
Steering spindle & joint type		Forging with pad for mounting brake cyl. ; spherical joints		
Wheel Spindle	Diameter	Inner bearing	1.2493-1.2498	
		Outer bearing	0.7493-0.7498	
	Thread size		3/4-20 NEF-3 (modified)	
	Bearing type		Taper Roller	

# AMA Specifications Form—Passenger Car

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MODEL \_\_\_\_\_

## SUSPENSION – GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling	Front stabilizer bar	
Provision for brake drp control	Mounting angle of front upper control arms	
Provision for acc. squat control	Rear suspension geometry	
Special provisions for car tacking	Position jack in bumper notches on lower face of front and rear bumpers	
Shock absorber front & rear	Type	Direct double acting hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features:		

## SUSPENSION – FRONT

Type and description	Independent-SLA type with coil spring and concentric shock absorber and spherically jointed steering knuckle for each wheel	
Spring	Type	Coil
	Material	Steel alloy
	Size (coil design height & I.D.; bar length x dia.)	11.7 x 3.63; 133.4 x 0.595
	Spring rate (lb. per in.)	250-435
	Rate at wheel (lb. per in.)	92
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	HR steel; 0.8125

## SUSPENSION – REAR

Type and description	Linked Salisbury axle fixed by control arms	
Drive and torque taken through	Control arms	
Spring	Type	Coil
	Material	Steel alloy
	Size (length x width, coil design height & I.D.; bar length & dia.)	14.7 x 5.50; 103.8 x 0.522
	Spring rate (lb. per in.)	100 - 200
	Rate at wheel (lb. per in.)	85
	Mounting insulation type	Natural rubber
	If leaf	No. of leaves
	Shock (comp. or tens.)	---
Stabilizer	Type (link, linkless, frameless)	None
	Material & bar diameter	---
Track bar type	None	

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**MODEL**

**FRAME**

Type and description (Separate frame, unitized frame, partially unitized frame)

All welded perimeter type with front crossmember, rear suspension crossmember and rear crossmember

**BODY - MISCELLANEOUS INFORMATION**

4-Door Sedan	Sport Sedan	Sport Coupe	Convertible	Station Wagon	El Camino
--------------	-------------	-------------	-------------	---------------	-----------

Dr's. hinged (front, rr.) Front doors Front

Rear doors Front --- Front ---

Type of finish (lacquer, enamel, other) Acrylic Lacquer

Hood counterbalanced (yes, no) Yes

Hood release control (internal, external) External

Vehicle Ident. No. location Top left of instrument panel pad

Engine No. location 6 Cyl. -on crankcase on RH side of engine, rear of distributor  
V8-on top front of RH bank of cylinder and case

Theft protection - type Lock mounted on steering column; locks steering wheel, transmission shift levers and ignition

Vent window control method (crank, friction pivot) Friction pivot (none on sport coupe & convertible)

Seat cushion type None

Front Formed wire and foam pad

Rear Formed wire and foam pad

3rd seat Formed wire and foam pad

Seat back type Formed wire and foam pad

Front Formed wire and foam pad

Rear Formed wire and foam pad

3rd seat Formed wire and foam pad

Wind shield glass type (i.e., single curved - laminated plate) Curved - Laminated plate

Side glass type (i.e., curved - tempered plate) Curved - Tempered plate

Backlight glass type (i.e., compound curved - tempered plate, three piece) Tempered plate

Curved Flat

Windshield glass exposed surface area	1249.6	1208.7	1211.8	1249.6	1208.7
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Side glass exposed surface area	1197.0	1349.4	1334.0	1260.4	2416.2	648.0
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Backlight glass exposed surface area	1032.2	1032.5	1059.4	539.7	757.0	695.6
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Total glass exposed surface area	3472.8	3631.5	3602.1	3011.9	4422.8	2552.3
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MODEL \_\_\_\_\_

## CONVENIENCE EQUIPMENT

(Indicate whether standard, optional or NA on each series)

Power windows:	Side windows:	NA
	Vent windows	NA
	Backlight or tailgate	Optional-2-seat wagon; standard-3-seat wagon
Power seats (specify type as well as availability)		NA
Reclining front seat back (R-L or both)		NA
Front seat head restrainer (R-L or both)		Standard
Radios (specify type as well as availability)		Optional-AM, AM/FM, AM/FM Stereo Radio (a), AM Radio w/Stereo Tape (a), AM/FM Stereo Radio w/Stereo Tape System(a)
Rear seat speaker		Optional (a)
Power antenna		NA
Clock		Optional
Air conditioner (specify type and availability)		Optional - 4-season (V8 Models only)
Speed warning device		NA
Speed control device		Opt. only with V8 models & automatic transmission
Ignition lock lamp		NA
Dome lamp		Standard
Glove compartment lamp		Std. ;opt. on Chevelle Nomad & Greenbrier wagons & Std El Camino
Luggage compartment lamp		Optional
Underhood lamp		Optional
Courtesy lamp		Std. on convertible - optional on other models
Map lamp		NA
Auto. trans. quad. lamp		Standard
Cornering light lamp		NA
Rear window defroster electrically heated		NA
Rear window defogger		Optional (a)
Power door lock system		Optional
Windshield antenna		Available with factory installed radio Also with tinted windshield glass.

LAMP HEIGHT AND SPACING			4-Door Sedans & Sport Sedans	Coupes & Convertibles	Station Wagons	Pick-Up
Height above ground to center of bulb or marker	Headlamp (H125)	Highest *	29.33	29.40	29.97	30.40
		Lowest	22.62	22.69	23.26	23.69
	Tail (H126)	Highest	23.16	23.07	26.85	24.53
		Lowest	18.10	18.01	21.79	19.47
Distance from C L of car to center of bulb	Sidemarker	Front				
		Rear				
	Headlamp	Inside				
		Outside *				
	Tail	Inside				
		Outside				
	Directional	Front				
		Rear				

\* If single headlamps are used enter here.

(a) Not available on El Camino.

# AMA Specifications Form—Passenger Car

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### VEHICLE WEIGHTS

Model with base L6-engine	CURB WEIGHT* (Pounds)			% PASS. WEIGHT DISTRIBUTION				SHIPPING WEIGHT** (Pounds) TOTAL
	Front	Rear	Total	Pass. In Front		Pass. In Rear		
				Front	Rear	Front	Rear	
<b>CHEVELLE</b>								
2-Door Sport Coupe	1764	1505	3269	46.6	53.4	20.0	80.0	3172
4-Door Sedan	1780	1521	3301	48.6	51.4	20.6	79.4	3204
<b>MALIBU</b>								
2-Door Sport Coupe	1777	1514	3291	46.6	53.4	20.0	80.0	3194
4-Door Sedan	1804	1533	3337	48.6	51.4	20.6	79.4	3240
<b>NOMAD STATION WGN.</b>								
4-Door, 2-Seat	1657	2040	3697	48.6	51.4	20.6	79.4	3605
<b>EL CAMINO</b>								
2-Door Sedan Pickup	1781	1529	3310	49.3	50.7	--	--	3213
<b>Models with base V8 eng.</b>								
<b>CHEVELLE</b>								
2-Door Sport Coupe	1872	1525	3397	46.6	53.4	20.0	80.0	3300
4-Door Sedan	1886	1543	3429	48.6	51.4	20.6	79.4	3332
<b>MALIBU</b>								
2-Door Sport Coupe	1890	1534	3424	46.6	53.4	20.0	80.0	3327
4-Door Sport Sedan	1920	1615	3535	48.6	51.4	20.6	79.4	3438
2-Door Convertible	1875	1601	3476	46.6	53.4	20.0	80.0	3379
4-Door Sedan	1904	1565	3469	48.6	51.4	20.6	79.4	3371
<b>STATION WAGONS</b>								
<b>NOMAD</b>								
4-Door 2-Seat	1773	2051	3824	48.6	51.4	20.6	79.4	3732
<b>GREENBRIER</b>								
4-Door 2-Seat	1810	2105	3906	48.6	51.4	20.6	79.4	3814
4-Door 3-Seat	1794	2168	3962	48.6	51.4	20.6	79.4	3870
<b>CONCOURS</b>								
4-Door 2-Seat	1784	2165	3949	48.6	51.4	20.6	79.4	3857
4-Door 3-Seat	1811	2190	4001	48.6	51.4	20.6	79.4	3909
<b>CONCOURS ESTATE</b>								
4-Door 2-Seat	1836	2145	3981	48.6	51.4	20.6	79.4	3887
4-Door 3-Seat	1823	2212	4035	48.6	51.4	20.6	79.4	3943
<b>EL CAMINO</b>								
2-Door Pickup Std.	1886	1552	3438	49.3	50.7	--	--	3341
2-Door Pickup Cust.	1893	1554	3447	49.3	50.7	--	--	3350

\*Reference - SAE Aerospace-Automotive drawing standards, Section E 1.02 (d).

\*\*Shipping weight definition - weight of basic vehicle with regular equipment, including grease, oil and (3) gallons of gasoline, and engine coolant to capacity.

## AMA Specifications Form—Passenger Car

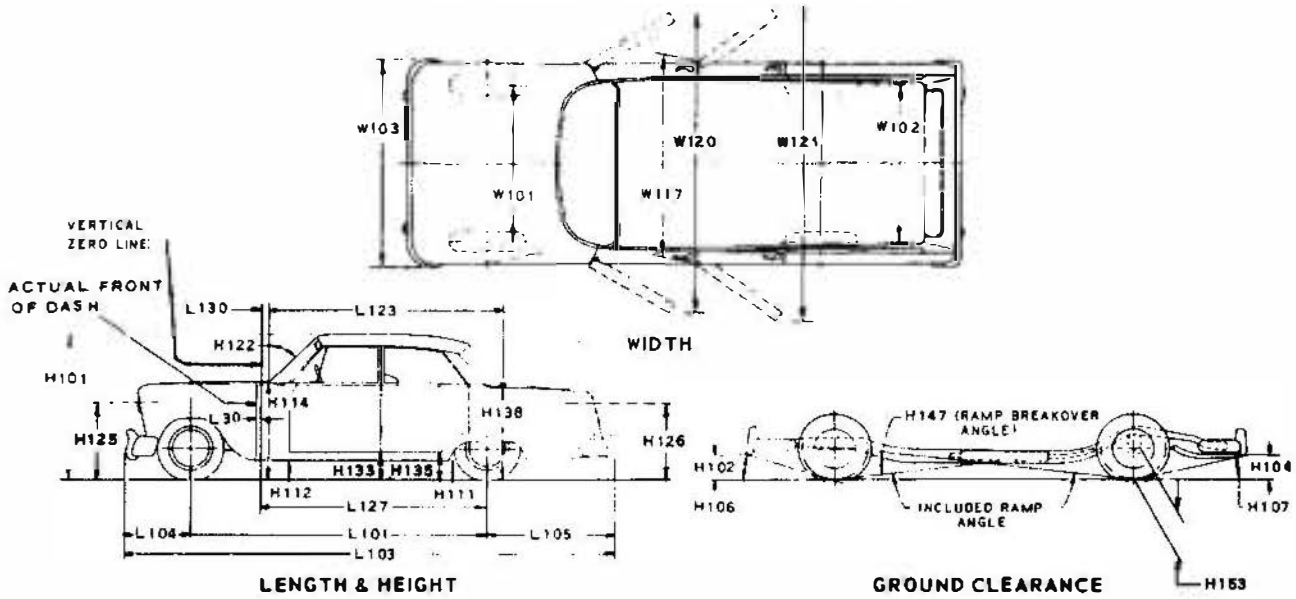
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## OPTIONAL EQUIPMENT WEIGHTS

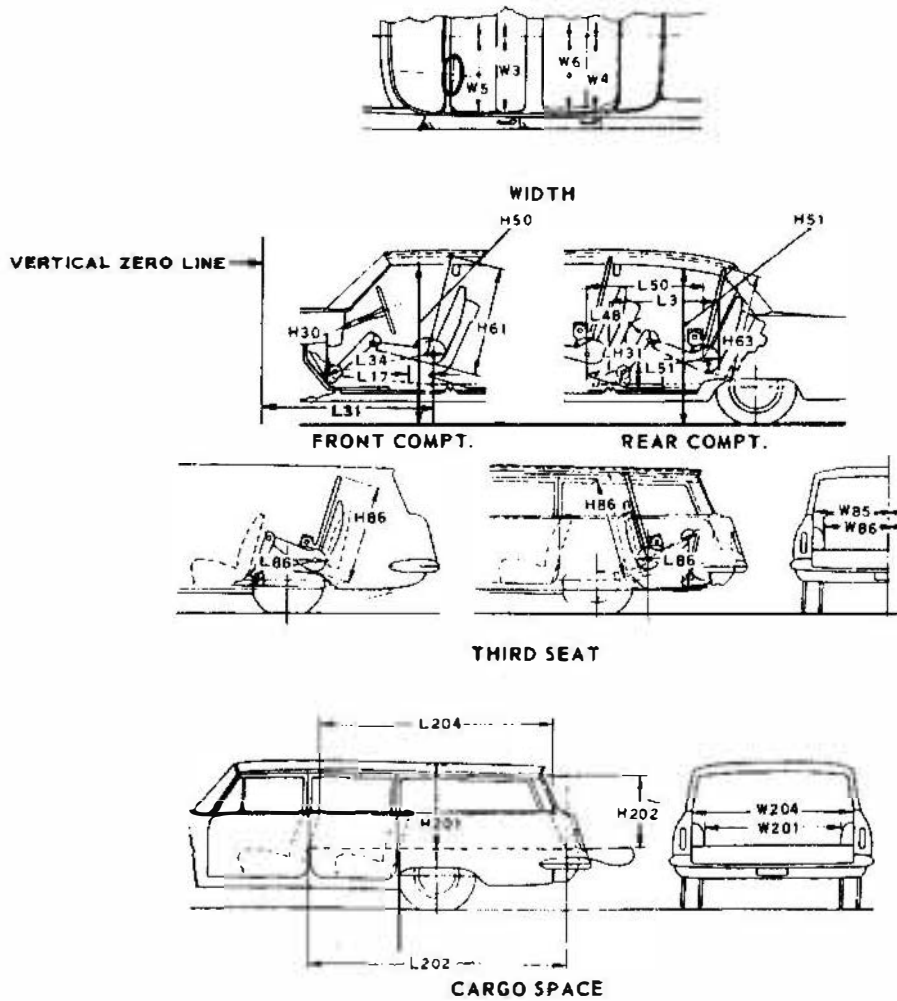
Equipment Differential Weights	WEIGHT (Pounds)			Remarks
	Front	Rear	Total	
Air Conditioning	+ 96	+ 6	+102	
Power Steering	+ 27	+ 1	+ 28	
Power Brakes	+ 12	+ 1	+ 13	Exc. 134-6-800 Station wagons.
Power Disc Brakes	+ 15	+ 1	+ 16	
Electronic Door Locks	+ 5	+ 3	+ 8	Used with 2-Door models
	+ 8	+ 9	+ 17	Used with 4-Door models
Radio AM Push button	+ 6	+ 2	+ 8	
Radio AM-FM Push button	+ 6	+ 3	+ 9	
Radio Stereo	+ 12	+ 3	+ 15	
Floor Console	+ 7	+ 2	+ 9	Used with 4-speed transmission
	+ 13	+ 4	+ 17	Used with automatic transmission
350 Cu. In. L65	+ 17	+ 3	+ 20	
350 Cu. In. L48	+ 23	+ 3	+ 26	
402 Cu. In. LS3	+201	+48	+249	All except Station wagons & El Camino
	+210	+43	+253	Station wagons
	+211	+50	+261	El Camino
454 Cu. In. LS5*	+207	+44	+251	SS Models
	+207	+49	+256	El Camino
4-Speed Transmission	+ 12	+ 5	+ 17	Used with V8-350 (L65 & L48)
	+ 3	+ 1	+ 4	Used with V8-402 (LS3)
	+ 3	+ 1	+ 4	Used with 454 V8 (LS5)
Turbo Hydra-matic trans.	+ 18	+ 4	+ 22	Used with V8-307 & L65
	+ 22	+ 4	+ 26	Used with V8-350 L48
	+ 36	+ 9	+ 45	Used with V8-402 (LS3)
	+ 41	+ 9	+ 50	Used with 454 V8 (LS5)
Powerglide transmission	- 3	- 2	- 5	Used with 6 cyl. engine
	- 2	- 1	- 3	Used with base 307 V8 engine
HD 3-spd man. trans.	+ 24	+ 6	+ 30	Used with 402 V8 (LS3) engine

\* - Available as "SS" equipment only; engine weight only shown and does not include additional weight for body and chassis items.

## CAR AND BODY DIMENSIONS KEY SHEET EXTERIOR CAR AND BODY DIMENSIONS



## INTERIOR CAR AND BODY DIMENSIONS



EXTERIOR CAR AND BODY DIMENSIONS  
KEY SHEET  
DIMENSION DEFINITIONS

**WIDTH DIMENSIONS.**

- W101 WHEEL TREAD - FRONT. Measured at centerline of tires, with nominal camber, at ground.
- W102 WHEEL TREAD - REAR. Measured at centerline of tires at ground.
- W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.
- W117 MAXIMUM BODY WIDTH AT #2 PILLAR. Measured across body at #2 pillar, excluding hardware and applied moldings.
- W120 MAXIMUM OVERALL CAR WIDTH, FRONT DOORS OPEN. Is measured to outside of sheet metal with front doors in maximum half-open position.
- W121 MAXIMUM OVERALL CAR WIDTH, REAR DOORS OPEN. Is measured in same manner as W120.

**LENGTH DIMENSIONS.**

- L30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual front of dash is to the rear of Body Zero Line, it is identified by a minus (-) sign.
- L101 WHEELBASE.
- L103 OVERALL LENGTH. Include bumper guards if standard equipment.
- L104 OVERHANG - FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.
- L105 OVERHANG - REAR. Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.
- L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.
- L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
- L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

**HEIGHT DIMENSIONS**

- H101 OVERALL HEIGHT - DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.
- H114 COWL POINT TO GROUND. Measured at vehicle centerline.
- H138 DECK POINT TO GROUND. Measured at vehicle centerline.
- H112 ROCKER PANEL TO GROUND - FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.

- H133 BOTTOM OF DOOR TO GROUND, CLOSED - FRONT. Is the same point on the door as H132 dimension, with door closed.
- H111 ROCKER PANEL TO GROUND - REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.
- H135 BOTTOM OF DOOR TO GROUND, CLOSED - REAR. Is measured in same manner as H133.
- H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.
- H125 HEADLAMP CENTERLINE TO GROUND. Is measured vertically to the center of the upper lamp.
- H126 TAILLAMP CENTERLINE. Is measured vertically from ground to the centerline of the upper bulb.

**GROUND CLEARANCE DIMENSIONS**

- H102 BUMPER TO GROUND - FRONT. Minimum dimension, includes bumper guards.
- H104 BUMPER TO GROUND - REAR. Minimum dimension, includes bumper guards.
- H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.
- H153 REAR AXLE DIFFERENTIAL SYSTEM TO GROUND. Is a minimum clearance.
- H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.



INTERIOR CAR AND BODY DIMENSIONS  
KEY SHEET  
DIMENSION DEFINITIONS

## FRONT COMPARTMENT DIMENSIONS

- L31 H POINT TO VERTICAL ZERO LINE - FRONT is a horizontal dimension.
- H61 EFFECTIVE HEAD ROOM - FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L34 MAXIMUM EFFECTIVE LEG ROOM-ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.
- H30 H POINT TO HEEL POINT - FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.
- W3 SHOULDER ROOM - FRONT. The minimum lateral dimension: between the door garnish moldings or nearest interference, measured at the H Point station.
- W5 HIP ROOM - FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.
- H50 UPPER BODY OPENING TO GROUND - FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.
- REAR COMPARTMENT DIMENSIONS
- L50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
- H63 EFFECTIVE HEAD ROOM - REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L51 MINIMUM EFFECTIVE LEG ROOM - REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.
- H31 H POINT TO HEEL POINT - REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
- L48 MINIMUM KNEE ROOM - REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
- L3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
- W4 SHOULDER ROOM - REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.
- W6 HIP ROOM - REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.
- H51 UPPER BODY OPENING TO GROUND - REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

## LUGGAGE COMPARTMENT DIMENSIONS

- V1 LUGGAGE CAPACITY - USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.
- H195 LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.
- STATION WAGON - THIRD SEAT DIMENSIONS
- W85 SHOULDER ROOM - THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W86 HIP ROOM - THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.
- L86 EFFECTIVE LEG ROOM - THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- H86 EFFECTIVE HEAD ROOM- THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.

## STATION WAGON - CARGO SPACE DIMENSIONS

- L202 CARGO LENGTH AT FLOOR - FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.
- L204 CARGO LENGTH AT BELT - FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.
- W201 CARGO WIDTH - WHEELHOUSE. The minimum horizontal dimension, measured between wheelhaustings at floor level.
- W204 OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening of the top of the tailgate.
- H201 MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.
- H202 REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail and liftgates fully open.
- V2 CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

W4xL204xH201

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