

1972

AMA SPECIFICATIONS FORM

. . . Passenger Car

MANUFACTURER Chevrolet Motor Division General Motors Corporation	CAR NAME CHEVELLE	
MAILING ADDRESS Chevrolet Engineering Center 30003 Van Dyke Warren, Michigan 48090	MODEL YEAR 1972	ISSUED: September 1971 REVISED (•)

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AMA Specifications Form—Passenger Car

TABLE OF CONTENTS

BODY MODEL	1
CAR AND BODY DIMENSIONS	2, 3
POWER TEAMS	4
ENGINE	5-9
EXHAUST SYSTEM	9
FUEL SYSTEM	10
COOLING SYSTEM	11
VEHICLE EMISSION CONTROL	12
ELECTRICAL	13-15
DRIVE UNITS	16-18
TIRES AND WHEELS	19
BRAKES	19-20
STEERING	21
SUSPENSION – FRONT AND REAR	22
FRAME	23
BODY – MISCELLANEOUS INFORMATION	23
CONVENIENCE EQUIPMENT	24
LAMP HEIGHT AND SPACING	24
VEHICLE WEIGHTS	25
OPTIONAL EQUIPMENT WEIGHTS	26
CAR AND BODY DIMENSION KEY SHEETS	27, 28, 29
INDEX	30

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.

AMA Specifications Form—Passenger Car

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>				
Nomad, 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: <u>ANY SPECIFICATIONS ON THE FOLLOWING PAGES THAT ARE SPECIFIC TO CALIFORNIA ARE INDICATED ACCORDINGLY.</u>				

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
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WIDTH

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	--

LENGTH

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					
Body upper structure length	L123	102.1	96.8	102.1	94.7	130.8	59.2
Body "O" line to 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					

HEIGHT

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	9.8
From front wheel C							9.4
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
From rear wheel C							8.5
Bottom of rear door to ground	H135	10.1	--	10.1	--	11.7 (c)	--
Windshield slope angle	H122	53.0					

GROUND CLEARANCE

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	5.7

* - 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	Convert-ible	Station Wagon	Sedan Pickup
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FRONT COMPARTMENT

H Point to body "O" line	L31	43.0					
Effective head room	H61	38.5	37.5	38.1	38.3	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	58.3	58.2
Hip room	W 5	59.8	59.7	59.5	59.7	59.5	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 (*)
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 Thrill 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*				
	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-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*				
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								A - Standard				
**- Positraction available optionally for all ratios								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 (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				
NOMAD & STANDARD PICKUP ONLY	Turbo Thrifty 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*	3.08	--	3.31
	Turbo Fire 350 V8 (L65)*	One 2-bbl	8.5:1			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*	2.56	--	3.31
	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)	3.31	--	--
								3-Spd. automatic*	2.73	--	3.31
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 (front to rear)	L. Bank	1-2-3-4-5-6	1-3-5-7	
	R. Bank	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 $\frac{\text{Dia}^2 \times \text{No. Cyl.}}{\text{horsepower}}$ 2.5		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 (•)

	Turbo-Fire 350 RPO L48	Turbo-Jet 402 RPO LS3	Turbo-Jet 454 RPO LS5
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MODEL

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 (C to C)		4.40	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		
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	$\frac{\text{Dia}^2 \times \text{No. Cyl.}}{2.5}$	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)	.0018-.0028 (b)
	Bottom		.0024-.0034 (c)
Ring groove diameter	No. 1 ring	3.546-3.556	3.649-3.659
	No. 2 ring	3.546-3.556	3.649-3.659
	No. 3 ring	3.582-3.592	3.678-3.688
	No. 4 ring		3.803-3.813

- (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)

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

ENGINE – RINGS

Function (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.	--			
Compression	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	
Oil	Description -	Multi-piece (2 rails and 1 spacer expander)			
	material, coating, etc.	Rails-steel, chrome plated O. D. ; expander-stainless steel			
	Width	.1870-.1890 assembled			
	Gap	.015-.055		.010-.030	
Expanders		In oil ring assembly			

ENGINE – PISTON PINS

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

ENGINE – CONNECTING RODS

Material		Drop forged steel			
Weight (oz.)		12.50	20.80	27.84	
Length (center to center)		5.695-5.705		6.130-6.140	
Bearing	Material & Type	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 (•)

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

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	
Main bearing	Material & type	Steel backed insert; copper lead alloy or premium aluminum lining selected for specific application				
	Clearance	.0003-.0029		(a)		(b)
	Journal dia. and bearing overall length	No. 1	2.3004x.752	2.4502x.752	2.7504x.962	2.7492x.992
		No. 2	2.3004x.752	2.4502x.752	2.7504x.962	2.7504x.992
		No. 3	2.3004x.752	2.4502x.752	2.7504x.962	2.7504x.992
		No. 4	2.3004x.752	2.4502x.752	2.7504x.962	2.7504x.992
		No. 5	2.3004x.752	2.4508x1.177	2.7505x1.256	2.7499x1.256
		No. 6	2.3004x.752	None		
	No. 7	2.3004x.760	None			
Dir. & amt. cyl. offset	None					
No. bolts/main brg. cap	14 & 7		10 & 5		10 & 5	
Crankpin journal diameter		1.999-2.000		2.099-2.100		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		Chain		
	Crankshaft gear or sprocket material		Steel sprocket		
	Camshaft gear or sprocket material		(d) Nylon teeth with aluminum hub		
	Timing chain	No. of links	None	46	50
		Width	None	.740	.740
		Pitch	None	.500	.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 (a)

MODEL			L6-250 Standard	V8-307 Standard	V8-350 L65 & L48	V8-402 LS3	V8-454 LS5
ENGINE – VALVE SYSTEM							
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°
Intake	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				
	Lift (= zero lash)		.3880 (.3880)	.3900 (.4006)		.3983	.4614
	Outer spring press. & length	Valve closed (lb. & in.)	56-64 @ 1.66	76-84 @ 1.68	76-84 @ 1.70	84-96 @ 1.88	69-81 @ 1.88
		Valve open (lb. & in.)	180+92 @ 1.27	194-206 @ 117	194-206 @ 1.25	205-225 @ 1.48	228-252 @ 1.38
	Inner spring press. & length	Valve closed (lb. & in.)	None	Spring damper			26-34 @ 1.78
		Valve open (lb. & in.)	None	Spring damper			81-99 @ 1.28
Exhaust	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				
	Lift (= zero lash)		.3880 (.4051)	.4100 (.4100)		.4300	.4800
	Outer spring press. & length	Valve closed (lb. & in.)	56-64 @ 1.66	76-84 @ 1.68	76-84 @ 1.70	84-96 @ 1.88	69-81 @ 1.88
		Valve open (lb. & in.)	180-192 @ 1.27	194-206 @ 1.17	194-206 @ 1.25	205-225 @ 1.48	228-252 @ 1.38
	Inner spring press. & length	Valve closed (lb. & in.)	None	Spring damper			26-34 @ 1.78
		Valve open (lb. & in.)	None	Spring damper			81-99 @ 1.28

(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 (*)

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	2.50 (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 (*)

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

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 - N	700	900 (800 - L48)	800
		Automatic - D	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)

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

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°				
Water pump	Type (centrifugal, other)	Centrifugal				
	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°-42°						→
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 (•) _____

MODEL _____ L6-250, V8-307 & 350 L6-250 & V8-350
(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
Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Standard	Induction system
			Optional	--
	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	
Vapor vented to (crankcase, canister, other)			Canister	
Carbu- retor		Vapor vented to (crankcase, canister, other)	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	

AMA Specifications Form—Passenger Car

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

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

ELECTRICAL – SUPPLY SYSTEM

Battery	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		
Generator or Alternator	Terminal grounded		Negative		
	Make		Delco-Remy		
	Model		1102452	1102440	1102454
	Type and rating		Diode rectified - 37 amps		
	Output at engine idle (neutral)		13 amps		
Regulator	Ratio—Gen. to Cr/s rev.		2.73:1		2.15:1
	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

Starting Motor	Make				
	Model		1108365	1108418	1108430*
	Rotation (drive end view)		Clockwise		
Motor control	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		
Motor Drive	Pinion meshes (front, rear)		Rear		
	Number of teeth	Pinion	9		9
		Flywheel			
		Manual	153		168
		Auto.	153		168
	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
Standard	Standard	L65	L48	LS3

MODEL _____

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 (•)

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

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	2.20
	In second	1.68	1.58	1.50	1.88	1.80	1.64
	In third	1.00	1.00	1.00	1.46	1.44	1.27
	In fourth	--	--	--	1.00	1.00	1.00
	In reverse	2.95	2.41	2.63	2.59	2.54	2.26
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	SAE 80					
	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 (*)

MODEL	2-SPEED AUTOMATIC	3-SPEED AUTOMATIC	
	L6-250 V8-307	V8-307 & V8-350	V8-402 & V8-454

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		P-Park	
		R-1.82		R-1.93	
		N-Neutral		N-Neutral	
		D-1.82-1.00		D-2.52-1.52-1.00	
		L-1.82		L2-2.52-1.52	
		L1-2.52		L1-2.52	
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 (*)

MODEL _____

DRIVE UNITS — PROPELLER SHAFT (cont.)

Inter- mediate bearing	Type (plain, anti-friction)		None 1
	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)		Cross
	Rear attach. (u-bolt, clamp, etc.)		U-bolt
	Bearing	Type (plain, anti-friction)	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		Cone clutches or dual disc clutches
Drive Pinion Offset		1.50
No. of differential pinions		Two
Pinion adjustment (shim, other)		Shims
Pinion bearing adj. (shim, other)		Collapsible sleeve
Wheel bearing type		Direct single row cylindrical
Lubricant	Capacity (pt.)	4.25 (8-1/8 ring gear); 4.9 (8-7/8 ring gear)
	Type recommended	Open Diff: Meeting Military Specs. MIL-L-2105-B
	SAE vis- Summer	SAE 80
	cosity Winter	SAE 80
	number Extreme cold	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 ^(*)
6 Cyl. & V8 LS3
exc. "SS" 402 C.I.D. "SS" Models Station Wagon
& LS3 Engine

DRIVE UNITS — TIRES AND WHEELS (STANDARD)

TIRES	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			
WHEELS	Rev./mile @ 45 mph		800	785	801	778
	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			
	Spare 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

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

	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.		---	Standard (c)	
	Opt.		Optional (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	9.5	---	
		Rear			
Drum	Diameter (nominal)	Front	9.5	---	
		Rear			
	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	
				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	
				9.75x2.0x0.20	
				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

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

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	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	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 at 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

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

MODEL _____

SUSPENSION – GENERAL

(See Supplement page 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	Rear suspension geometry
Special provisions for car jacking	Position jack in bumper notches on lower face of front and rear bumpers
Shock absorber front & rear	Direct double acting hydraulic
Type	
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	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	Link
Type (link, linkless, frameless)	
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	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
Shackle (comp. or tens.)	---
Stabilizer	None
Type (link, linkless, frameless)	
Material & bar diameter	---
Track bar type	None

FRAME

[illegible]

AMA Specifications Form—Passenger Car

Page 24

Page 24

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

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
	Sidemarker	Front				
		Rear				
Distance from C L of car to center of bulb	Headlamp	Inside				
		Outside *				
	Tail	Inside				
		Outside				
	Directional	Front				
		Rear				

* If single headlamps are used enter here.

(a) Not available on El Camino.

VEHICLE WEIGHTS

Form Rev. 3-71

AMA Specifications Form—Passenger Car

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

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.

AMA Specifications Form—Passenger Car

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 hold-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.

AMA Specifications Form—Passenger Car

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 dimensions 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 wheel housings at floor level.
- W204 OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening at 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.

$$\frac{W4 \times L204 \times H201}{1728}$$

AMA Specifications Form—Passenger Car

INDEX

SUBJECT	PAGE NO.
Automatic Transmission.....	17
Axis, Steering.....	21
Axle, Rear.....	18
Battery.....	13
Bearings, Engine.....	5, 6, 7
Belts — Fan, Generator, Water Pump.....	11
Brakes — Parking, Service.....	19, 20
Comber.....	21
Camshaft.....	7
Capacities	
Cooling System.....	11
Fuel Tank.....	10
Lubricants	
Engine Crankcase.....	9
Transmission and Overdrive.....	16, 17
Rear Axle.....	18
Car and Body Dimensions	
Width.....	2
Length.....	2
Height.....	2
Ground Clearance.....	2
Front Compartment.....	3
Rear Compartment.....	3
Luggage Compartment.....	3
Station Wagon — Third Seat.....	3
Station Wagon — Cargo Space.....	3
Carburetor.....	4, 10, 12
Caster.....	21
Choke, Automatic.....	10
Clutch — Pedal Operated.....	16
Coil, Ignition.....	15
Connecting Rods.....	6
Convenience Equipment.....	24
Cooling System.....	11
Crankcase Ventilation System.....	12
Crankshaft.....	7
Cylinders and Cylinder Head.....	5
Dimension Definitions	
Key Sheet — Exterior.....	27, 28
Key Sheet — Interior.....	27, 29
Distributor — Ignition.....	14
Electrical System.....	13, 14, 15
Engine	
Bore, Stroke, Displacement, Type.....	5
Compression Ratio.....	4, 5
Firing Order, Cylinder Numbering.....	5
General Information, H.P. & Torque.....	4, 5
Lubrication.....	9
Power Teams.....	4
Exhaust Emission Control.....	12
Exhaust System.....	9
Equipment Availability.....	24
Fan, Cooling.....	11
Filters — Engine Oil, Fuel System.....	9, 10
Frame.....	23
Front Suspension.....	22
Fuel, Fuel Pump, Fuel System.....	5, 10
Fuel Injection.....	10
Generator and Regulator.....	13
Glass.....	23
Height (Lamps).....	24
Headroom — Body.....	3
Heights — Car and Body.....	2
Horns.....	15
Horsepower — Brake.....	4
Ignition System.....	14
Inflation — Tires.....	19
Instruments.....	15

SUBJECT	PAGE NO.
Kingpin (Steering Axis).....	21
Lamp height and spacing.....	24
Legroom.....	3
Lengths — Car and Body.....	2
Lifters, valve.....	8
Linings — Clutch, Brake.....	16, 20
Lubrication.....	9, 16, 17, 18
Luggage Compartment.....	3
Motor, Starting.....	13
Muffler.....	9
Piston Pins & Rings.....	5, 6
Pistons.....	5, 6
Power Brakes.....	20
Power Steering.....	21
Power Teams.....	4
Propeller Shaft, Universal Joints.....	17, 18
Pumps — Oil, Fuel.....	9, 10
Water.....	11
Radiator, Hoses.....	11
Ratios — Axle.....	4, 18
Compression.....	4, 5
Steering.....	21
Transmission.....	16, 17
Rear Axle.....	4, 18
Regulator — Generator.....	13
Rims.....	19
Rings, Piston.....	6
Rods — Connecting.....	6
Shock Absorbers, Front & Rear.....	22
Spark Plugs.....	15
Speedometer.....	15
Springs — Front & Rear Suspension.....	22
Stabilizer (Sway Bar) — Front & Rear.....	22
Starting System.....	13
Steering.....	21
Supply System.....	13
Suppression — Ignition, Radio.....	15
Suspension — Front & Rear.....	22
Tail Pipe.....	9
Thermostat, Cooling.....	11
Timing, Engine & Valve.....	8, 14
Tires.....	19
Tie in.....	21
Torque Converter.....	17
Torque — Engine, Rated.....	4
Transmission — Types.....	4, 10, 16, 17
Automatic.....	4, 10, 16, 17
Manual.....	4, 10, 16
Ratios.....	16, 17
Track.....	2
Trunk Luggage Capacity.....	3
Turning Diameter.....	21
Unitized Construction.....	23
Universal Joints, Propeller Shaft.....	17, 18
Valves — Intake & Exhaust.....	8
Vibration Damper.....	7
Voltage Regulator.....	13
Water Pump.....	11
Weights.....	25, 26
Wheel Alignment.....	21
Wheelbase.....	2
Wheels & Tires.....	19
Wheel Spindle.....	21
Widths — Car and Body.....	2
Windshield.....	23
Windshield Wiper.....	15