

AMA Specifications – Passenger Car

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MANUFACTURER	Chevrolet Motor Division General Motors Corporation	CAR NAME	114-116-11800
		CHEVY II	327 cu. in. 8-cyl.
MAILING ADDRESS	Owner Relations Service General Motors Bldg. Detroit 2, Michigan	MODEL YEAR	1965
		ISSUED	9-28-64
		REVISED (a)	

NOTES:

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

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BODY—TYPES AND STYLE NAMES—

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

	327 cu. in. 8-cylinder
CHEVY II 100	
2-Door Sedan, 6-Passenger	11411
4-Door Station Wagon, 2-seat	11435
4-Door Sedan, 6-Passenger	11469
NOVA	
4-Door Station Wagon, 2-seat	11635
2-Door Sport Coupe, 5-Passenger	11637
4-Door Sedan, 6-Passenger	11669
NOVA SS	
2-Door Sport Coupe, 4-Passenger	11837

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GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL	11400 11600 11800		Additional Information Page Nos.	327 CU. IN. V-8 ENGINES (OPT.)	
				RPO L30 250 HP	RPO L74 300 HP
Wheelbase (L101)			23	110.0	
Tread	Front (W101)	22	56.8; wagons, 56.3		
	Rear (W102)	22	56.3; wagons, 55.8		
Maximum Overall Dimensions	Length (L103)	23	182.9; wagons, 187.6		
	Width (W103)	22	69.9		
	Height (H101)	24	Sed. 55.0, Sp. Coupes 54.0, wagons 55.1*		
Transmission (Specify trade name - opt., not available)	Manual	15	Synchromesh: 3-speed std., 4-speed opt.		
	Overdrive	16	NA		
	Automatic	16	Powerglide: optional		
Axle ratio	Manual	17	3.07		
	Overdrive	17	NA		
	Automatic	17	3.07		
Tire size			18	6.95 x 14	
Engine	Type, no. cyl., valve arr.	2	90° OHV V-8		
	Fuel system (Carb., other)	8	Carburetor		
	Bore and stroke	2	4.001 x 3.250		
	Piston displ., cu.in.	2	327		
	Std. compression ratio	2	10.5:1		
	Max. bhp at engine rpm	2	250 @ 4400	300 @ 5000	
	Max. torque at rpm	2	350 @ 2800	360 @ 3200	

* 54.5 on SS models

MAKE OF CAR CHEVY II MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (a) _____**GENERAL SPECIFICATIONS — DIMENSIONS**(All dimensions in inches unless otherwise indicated)
(Supplemental data available on request)

MODEL	Ref. No.	SEDANS		SPORT COUPES		WAGONS
		2-DR.	4-DR.	BN	BKT	

FRONT COMPARTMENT

Shoulder room	W3	55.3				
Max. eff. leg room - accelerator	L34	40.1		40.3	41.1	40.1
Effective head room	H61	39.0		38.0	38.3	39.0
H Point to Heel point	H30	9.0		9.4	9.2	9.5
Upper body opening to ground	H90	50.2		49.1		45.2

REAR COMPARTMENT

Shoulder room	W4	55.3		54.0		55.3
H Point couple distance	L50	33.6		32.5	31.8	34.4
Minimum effective leg room	L51	36.1		34.9	34.8	37.1
Effective head room	H63	37.6		36.6		37.9

STATION WAGON—THIRD SEAT

Shoulder room	W85					
Effective leg room	L86			None		
Effective head room	H86					

LUGGAGE COMPARTMENT

Usable luggage capacity (See Instr.)	V1	13.0		—
Lift/lower height	H195	21.0		—
Position of spare tire storage		Horz. on trunk floor		Ver. rear quarter
Method of holding lid open		Torsion bars counterbalanced		—

STATION WAGON—CARGO SPACE

Minimum distance between wheel houses at floor level	W201	42.8
Rear end opening width at belt	W204	47.0
Floor length from back of front seat at floor level to inside of closed tail gate	L202	86.0
Minimum horizontal distance from top rear or front seat back to inside of tail gate at belt	L204	73.2
Maximum height - floor covering to headlining at centerline of rear axle	H201	32.6
Maximum height of rear opening - tail and lift gates open	H202	29.0
Cargo volume index (cu.ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	76.2

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MAKE OF CAR	CHEVY II	MODEL YEAR 1965	DATE ISSUED 9-28-64	REVISED (a)
11400	327 CU. IN. V-8 ENGINES (OPTIONAL)			
11600	RPO L30		RPO L74	
MODEL 11800	250 HP		300 HP	

ENGINE—GENERAL

Type, no. cyl., valve arr.		90° OHV V-8	
Bore and stroke (nominal)		4.001 x 3.250	
Piston displacement, c.u. in.		327	
Bore spacing (C/L to C/L)		4.40	
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	
Compress. ratio (nominal)		10.5:1	
Cylinder Head Material		Cast alloy iron	
Cylinder Block Material		Cast alloy iron	
Cylinder Sleeve—Wet, dry, none		None	
Number of mounting points	Front	Two	
	Rear	One	
Engine installation angle		5° 11'	
Turnable $\frac{\text{Dis.}^2 \times \text{No. Cyl.}}{\text{horsepower}}$ 2.5		51.2	
Published max. bhp* @ eng. RPM		250 @ 4400	300 @ 5000
Published max. torque* (lb. ft. @ RPM)		350 @ 2800	360 @ 3200
Recommended fuel regular - premium		Premium	
Idle speed (spec. neutral or drive)	Manual	500 in neutral	
	Automatic	475 in drive	

ENGINE—PISTONS

Material	Cast aluminum alloy		
Description and finish	Flat head; notched; slipper skirt		
Weight (piston only) oz.	21.60		
Clearance (limits)	Top land	.0365-.0455	
	Skirt	Top	.0005-.0011 (a)
		Bottom	
Ring groove depth	No. 1 ring	.2217-.2283	
	No. 2 ring	.2217-.2283	
	No. 3 ring	.2038-.2103	
	No. 4 ring		

*Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

(a) - Measured 2.24 from top of piston

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POWER TEAMS (Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first)
	Displ. cu. in.	Carburetor	Comp. Ratio	HHP ● RPM	Torque ● RPM		
11400 11600 11800	327 *	4-Bbl	10.5:1	250 ● 4400	350 ● 2800	3-Speed 4-Speed* Powerglide*	3.07:1 3.07:1 3.07:1
		Large 4-Bbl Alum	10.5:1	300 ● 5000	360 ● 3200	3-Speed 4-Speed* Powerglide*	3.07:1 3.07:1 3.07:1
* - Optional							

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MAKE OF CAR CHEVROLET MODEL YEAR 1935 DATE ISSUED 1-2-5 REVISED (a)
 11400 327 Cu. In. V-8 Engines (Optional)
 11500 RPO L30 RPO L74
 MODEL 11800 250 HP 300 HP

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.	None
Compression	Description - material, type, coating, etc.	Cast alloy iron, inside bevel, chrome plate Cast alloy iron, wear res. start coating and steel expander
	Width	Upper .0775-.0780 Lower .0770-.0775
	Gap	Upper .013-.023 Lower .013-.025
Oil	Description - material, type, coating, etc.	Multi-piece (2 rails & 1 spacer expander) Rails - Steel, chrome plated OD Expander - Carbon steel
	Width	.1840-.1880 assembled
	Gap	.015-.055
Expanders		In oil ring assembly

ENGINE—PISTON PINS

Material	Chromium steel	
Length	2.990-3.010	
Diameter	.9270-.9275	
Type	locked in rod or piston, depending on	locked in rod
	Bushing in rod or piston	None
	Material	
Clearance	In piston	.00015-.00025
	In rod	None
Direction & amount offset in piston		Match thrust side .006

ENGINE—CONNECTING RODS

Material	Drop forged steel	
Weight - lb.	1.20	
Length (center to center)	3.470-3.501	
Bearing	Material	Phosphor bronze
	Overall length	.807
	Clearance - min.	.0007-.0015
	End play	.009-.013

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MAKE OF CAR	CHEVY	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED (e)
	11400		327 Cu. In. V-8 Engines (Optional)			
	11600	RPO L30		RPO L74		
MODEL	11800	250 HP		300 HP		

ENGINE—CRANKSHAFT

Material		Forged steel	
Vibration damper type		Rubber mounted inertia damper	
End thrust taken by bearing (No.)		Five	
Crankshaft end play		.002-.006	
Main bearing	Material & type		Premium aluminum except No.5 upper steel backed babbitt
	Clearance		No.1 thru No.4: .0008-.0034; No.5: .0010-.0036
	Journal dia. and bearing overall length	No. 1	2.3013 x .752
		No. 2	2.3009 x .752
		No. 3	2.3009 x .752
		No. 4	2.3009 x .752
		No. 5	2.3006 x 1.1824
		No. 6	None
		No. 7	None
	Dir. & amt. cyl. offset		None
Crankpin journal diameter		1.999-2.000	

ENGINE—CAMSHAFT

Location	In block above crankshaft				
Material	Cast alloy iron				
Bearings	Material	Extra life steel backed babbitt			
	Number	Five			
Type of Drive	Gear or chain	Chain			
	Crankshaft gear or sprocket material	Steel sprocket			
	Camshaft gear or sprocket material	Cast alloy iron			
	Timing chain	No. of links	40		
		Width	.875		
		Pitch	.500		

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Standard
Valve rotator, type (intake, exhaust)		None
Rocker ratio		1.5:1
Operating tappet clearance (indicate hot or cold)	Intake	Zero
	Exhaust	Zero
Timing marks on flywheel, damper, other		Damper

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	11400		327 Cu. In. V-8 Engines (Optional)			
	11600	RPO L30		RPO L74		
MODEL	11800	250 HP		300 HP		

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	32° 30'
		Closes (°ABC)	87° 30'
		Duration - deg.	300°
	Exhaust	Opens (°BBC)	75° 30'
		Closes (°ATC)	45° 30'
		Duration - deg.	300°
Valve opening overlap		78°	
Intake	Material		Alloy steel
	Overall length		4.870-4.889
	Actual overall head dia.		1.935-1.945
	Angle of seat & face		46° (seat) 45° (face)
	Seat insert material		None
	Stem diameter		.3404-.3417
	Stem to guide clearance		.0010-.0027
	Lift (@ zero lash)		.3987
	Outer spring press. and length	Valve closed (lb. @ in.)	78-86 @ 1.66
		Valve open (lb. @ in.)	170-180 @ 1.26
	Inner spring press. and length	Valve closed (lb. @ in.)	Spring damper
		Valve open (lb. @ in.)	Spring damper
Exhaust	Material		High alloy steel (aluminized face)
	Overall length		4.913-4.933
	Actual overall head dia.		1.495-1.505
	Angle of seat & face		46° (seat) 45° (face)
	Seat insert material		None
	Stem diameter		.3410-.3417
	Stem to guide clearance		.0010-.0027
	Lift (@ zero lash)		.3987
	Outer spring press. and length	Valve closed (lb. @ in.)	78-86 @ 1.66
		Valve open (lb. @ in.)	170-180 @ 1.26
	Inner spring press. and length	Valve closed (lb. @ in.)	Spring damper
		Valve open (lb. @ in.)	Spring damper

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
	Cylinder walls	Pressure, 1st cross sprayed

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	11400		327 Cu. In. V-8 Engines (Optional)			
	11600		RPO L30		RPO L74	
MODEL	11800		250 HP		300 HP	

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. @ engine rpm)	30-45 PSI @ 1500
Oil pressure sending unit (elect. or mech.)	Electric
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, partial, other)	Full flow
Filter replacement (element, complete)	Element
Capacity of crankcase, less filter-refill (qt.)	4
* Oil grade recommended (SAE viscosity and temperature range)	32° F and Above ----- SAE 20W, SAE 20, or SAE 10W- 0° F and Above ----- SAE 10W or SAE 10W- Below 0° F ----- SAE 5W or SAE 5W-
Engine Service Requirement (MM, MS, etc.)	MS or DG

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single with cross over	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, with resonator	Two; reverse flow; with resonators
Exhaust pipe dia. (O.D.)	2.0 x .067-.081	2.50 x .073-.091 Limited
Branch wall thickness	Main	2.00 x .062-.076
Tail pipe diameter (O.D. & wall thickness)		

ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmosphere, induction system, other)	Standard Optional	Ventilates to induction system
Make and model		
Location		At carburetor base
Energy source (manifold vacuum, carburetor air stream, other)		Manifold vacuum
Control method (variable orifice, fixed orifice, other)		Variable orifice
Discharges (to intake manifold, carb. air intake, air cleaner intake, other)		Intake manifold
Air inlet (breather cap, carburetor air cleaner, other)		Breather cap
Flame arrester (screen, check valve, other)		Screen

* - SAE 5W-30 can be used as an alternate for 5W; 5W-20 or 10W-30.

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ENGINE—FUEL SYSTEM			(See Supplement to Page 8 for Details of Fuel Injection, Supercharger, etc., if used)
Induction type: Carburetor, fuel injection, supercharger.			Carburetor
Fuel Tank	Capacity (gals.)		16
	Filler location		In left rear quarter panel
Fuel Pump	Type (elec. or mech.)		Mechanical
	Location		Lower right front of engine
	Pressure range		5.25-6.50 PSI
Vacuum booster (std., optional, none)			None
Fuel Filter	Type		Fine mesh plastic strainer in gas tank
	Location		Sintered bronze filter in carburetor inlet on RPO L30 (A)
Carburetor	Choke type		Automatic
	Intake manifold heat control (exhaust or water)		Exhaust
	Air chr. type	Standard	Oil-wetted paper element
		Optional	

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
11400 11600 11800	327 250 hp	3-Speed 4-Speed Powerglide	Rochester	7024225	4-Bbl Down- draft	1.44 (P) 1.44 (S)
	327 300 hp	4-Speed Powerglide	Carter	3851761	4-Bbl Down- draft	1.5625 (P) 1.6875 (S)

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MAKE OF CAR CHEVY II MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (*)
 11400 327 Cu. In. V-8 Engines (Optional)
 11600 RPO L30 RPO L74
 MODEL 11800 250 HP 300 HP

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)			Pressure
Radiator cap relief valve pressure			13±1 PSI
Circulation thermostat	Type (choke, bypass)		Choke
	Starts to open at (°F)		177° - 183° F
Water pump	Type (centrifugal, other)		Centrifugal
	GPM @ 1000 pump rpm		57 @ 4400
	Number of pumps		One
	Drive (V-belt, other)		V-Belt
	Bearing type		Double row ball
By-pass recirculation type (internal, external)			Internal
Radiator core type (cellular, tube and fin, other)			Tube on center
Cooling system capacity	With heater (qt.)		17
	Without heater (qt.)		16
	Opt. equipment-specify (qt.)		18
Water jackets full length of cylinder (yes, no)			Yes
Water all around cylinder (yes, no)			Yes
Radiator hose	Lower	Number and type (molded, straight)	One, molded
		Inside diameter	1.75
	Upper	Number and type (molded, straight)	One, molded
		Inside diameter	1.50
	By-pass	Number and type (molded, straight)	None
		Inside diameter	None
Fan	Number of blades & Spacing		5, Staggered
	Diameter		18.00
	Ratio-fan to crankshaft rev.		.949:1
	Fan cutout type		Thermo-modulated - viscous coupling
	Bearing type		Double row ball
*Drive belts (Indicate belt used by letter)	Fan		A
	Generator		A
	Water Pump		A
	Power Steering		B
	Air Conditioning		-

* Drive Belt Dimensions	A	B
Angle of V	38° -42°	
Nominal length (SAE)	53.50	35.00
Width	.380 ±.005	

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	11400		327 Cu. In. V-8 Engines (Optional)			
	11600		RPO L30		RPO L74	
MODEL	11800		250 HP		300 HP	

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Delco 1980558
	Voltage Rtg. & Total Plates		12 Volt - 66 Plate
	SAE Designation & Amp Hr. Rtg.		61 Amp/Hr @ 20 Hr Rate
	Location		Right front engine compartment
Generator	Terminal grounded		Negative
	Make		Delco-Remy
	Model		#1100693
	Type		Diode rectified
	Ratio—Gen. to Cr/s rev.		2.46:1
	Gen. cut-in (hot)—engine rpm		Idle
Regulator	Make		Delco-Remy
	Model		#1119515
	Type		Vibrator
	Circuit relay	Closing voltage @ generator rpm	None
		Reverse current to open	
	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		Delco-Remy
	Model		#1107320
	Rotation (drive end view)		Clockwise
	Engine cranking speed		
	Test conditions		Engine at operating temperatures
	Lock test	Amps	
		Volts	
		Torque (lb. ft.)	
Motor control	No load test	Amps	65-100
		Volts	10.6
		RPM (min.)	3600-5100
	Switch (solenoid, manual)		Solenoid
Starting procedure		<u>Synchromesh</u> - Place gearshift in neutral and depress clutch to floor. <u>Powerglide</u> - Place control lever in N or P position. <u>Initial Start</u> - Press accelerator pedal to floor once to set automatic choke, then release. Turn ignition to START - release as soon as engine starts.	

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	11600	RPO L30		RPO L74		
MODEL	11800	250 HP		300 HP		

ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Positive shift solenoid
	Pinion meshes (front, rear)		Rear
	Number of teeth	Pinion	9
		Flywheel	153
		Flywheel tooth face width	

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Delco-Remy
	Model		#1115204
	Amps	Engine stopped	4.0
		Engine idling	1.8
Distributor	Make		Delco-Remy
	Model		#1111075
	Cent'figel adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	750
		Intermediate points deg. @ rpm	
		Max deg. @ rpm	26 @ 4100
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	6.00
		Intermediate points, deg @ in Hg	
		Max. deg. in. Hg.	22 @ 12
	Breaker gap (in.)		.019
	Cam angle (deg.)		28°-32°
Timing	Breaker arm tension (oz.)		19-23 oz
	Crankshaft deg. @ rpm.		8° BTC @ 550
	Mark location		Vibration damper
	Cylinder numbering system (see page 2)		Left bank: 1-3-5-7 Right bank: 2-4-6-8
	Firing order (see page 2)		1-3-4-3-6-5-7-2
Spark Plug	Make and model		AC44
	Thread (mm)		14
	Tightening torque (lb. ft.)		25
	Gap		.033-.038
Cable	Conductor type		Linen core impregnated with electrical conducting material
	Insulation type		Rubber with neoprene jacket
	Spark plug protector		Hypalon jacket

ELECTRICAL—SUPPRESSION

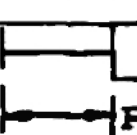
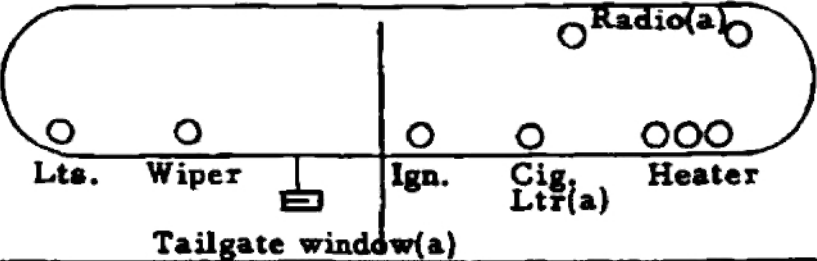
Locations & type	Non-metallic high tension ignition cables
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MAKE OF CAR	CHEVY II	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED (a)
Opt. Hi-Performance Engines, MODEL L30 & L74	11400	11600	11800			

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speedometer	Make	AC			
	Trip odometer (yes, no)	No			
Charge indicator—type		Tell-tale		Gage	
Temperature indicator—type		Tell-tale		Gage	
Oil pressure indicator—type		Tell-tale		Gage	
Fuel indicator—type		Electric gage			
Other		Clock(a), cigarette lighter(a), tachometer(a)			
Ignition switch	Identify positions in order and circuits controlled	ACCESSORY OFF ON START 		ACCESSORY—accessories(ign.off) OFF - off, locked. ON - ign., batt., accessories. START - starter motor, spring return to ON.	
	Provision for illumination	None			
	Location	Instru. panel to right of steering column			
Main lighting switch	Identify positions and lamps controlled	 1st Position Instr. panel lamps, parking, tail and license lamps.	 2nd Position Instr. panel lamps, hdlp., tail and license lamps.	 CW Rotation Instr. panel lamps, dim to off.	 CCW Rotation Instr. panel lamps, off to bright; full CCW rotation, dome lamps and courtesy lamps on.
	Locations and lamps controlled	Toe panel-hdlp. hi-beam & hi-beam indicator. Glove compt. - glove compt. lamp (a). Frt. dr. hinge pillars - dome and courtesy lamps (a). Steer. column - direction signal indicator and external lamps. Brake pedal pendent - stop lamps. Steer. mast jacket - back up lamps except 4-speed and 11800 w/PG(a)			
Other switches	Locations and devices controlled	 Lts. Wiper Ign. Cig. Ltr(a) Heater Tailgate window(a) Radio(a)			
Windshield wiper	Make	Delco			
	Type	Electric, single-speed(a)			
	Vacuum booster provision	None			
Horn	Washer provision	None(a)			
	Type	Vibrator			
	Number used	Two (a)			
	Amp draw (each)	8.00-11.0@12.5V			

(a) OPTIONAL EQUIPMENT: Clock 11400 & 600; cigarette lighter 11400; tachometer; glove compt. lamp 11400; courtesy lamps (door jam switches included with 11400); parking brake alarm; back up lamps 11400; radio; tailgate window control; two-speed W/S wiper (including washer); W/S washer for single-speed wiper; low note third horn; auto, trans; 4-speed.

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MAKE OF CAR	CHEVY 1	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED (a)
Opt. Hi-Performance Engines, L30	11400	11600	11800			
MODEL and L74						

ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-5400 5, dual headlight 2-4001, 2-4002.

Headlamps & arrangement	2-6012			
Headlamp beam indicator	1-1895			
Parking	2-1157			
Tail	2-1157			
Stop	2-1157			
Direction signal	2-1157			
Indicator	2-1157			
License Plate	1-1155			
Oil pressure indicator	1-1895		Gage	
Charge indicator	1-1895		Gage	
Instrument	4-1816			
Clock	Instr. lamps (a)	Opt.	Instr. lamps (a)	Std.
Radio	1-1893			Opt.

Indicate also whether the following lamp assemblies are standard equipment, optional, or NA.

Ignition lock	NA			
Back up	2-1136	Opt.	2-1156	Std.
Door	1-211			Std.
Glove compartment	1-1895	Opt.	1-1895	Std.
Prig. brake signal	1-211			Std.
Luggage compartment	1-1003 (NA wagons)			Opt.
Underhood	1-93			Opt.
Courtesy	Instr. panel 2-63i			Opt.
Map	NA			
Auto. trans. pos. pattern	1-1445			Opt.
Cigar. ltr.	1-1445	Opt.	NA	
Ash tray	1-33			Opt.
Traffic haz. indicator	1-1445			Opt.

(a) With tachometer option, 1-1895.

OTHER BULBS

Temp. indicator	1-1893	Std.	Gage	Std.
Spot lamp, portable	1-416			Opt.

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MAKE OF CAR	CHEVY II	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED (4)
Opt. Hi-Performance Engines, L30		11400	11600	11800		
MODEL and L74						

ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

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

Headlamp	15 C.B.	(a)	Lugg. comp. lamp	(b)
Headlamp beam indicator		(a)	Underhood lamp	SAE 4
Parking lamp		(a)	Tachometer	(d)
Tail lamp	AGC 15	(b)	Air conditioning	Two SAE 20 one in "(f)"
Stop lamp		(b)	Tailgate motor	40 C.B.
Direction indicator	AGC 3	(c)	Ash tray lamp	(c)
License plate lamp		(b)	Gen. ind. lamp	(d)
Instrument lamp		(c)	Oil press. ind. lamp	(d)
Ignition lamp		--	Spot lamp	(b)
Back up lamp	AGC 10	(d)		
Dome lamp		(b)		
Clock		(b)		
Clock lamp		(c)		
Radio	AGC 2.5	(e)		
Glove compartment lamp		(b)		
Heater	AGC 10	(f)		
W/S wiper (single-speed)	SAE 20	(g)		
W/S wiper (two-speed)	14 C.B. & "(g)"			
Cig. lighter		(b)		
Cig. lighter lamp		(c)		
Auto. trans. pos. pattern lamp		(c)		
Defogging unit		(c)		
Courtesy lamps		(b)		
Parking brake alarm lamp		(d)		
Traffic haz. ind. lamp		(b)		

ELECTRICAL—LOCATION OF OUTSIDE LAMPS

			Sedans
Height above ground to center of bulb	Tail	Lowest	25.7
		Highest	25.7
	Stop		25.7
	Backup		25.7
	License, rear		18.4
	Directional	Front	16.5
		Rear	25.7
	Headlamp	Inside	---
		Outside*	26.0
Distance from C/L of car to center of bulb	Tail	Inside	---
		Outside	28.4
	Stop		28.4
	Backup		21.8
	License, rear		on C
	Directional	Front	22.7
		Rear	28.4
	Headlamp	Inside	---
		Outside*	28.1

* If single headlamps are used enter here.

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MAKE OF CAR	CHEVY II	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED (a)
Opt. Hi-Performance Engines, L30 & L74		L30		L74		
MODEL		3-Speed and 4-Speed				

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	Chevrolet, single dry disc, centrifugal				
Type pressure plate springs	Diaphragm, bent finger design				
Effective plate pressure (lb.)	2100-2300				
No. of clutch driven discs	One				
Clutch facing	Material	Woven type asbestos			
	Outside & inside dia.	10.4 & 6.5			
	Total eff. area (sq. in.)	103.5			
	Thickness	.35 ea.			
	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 (std. or opt.)	3-Speed Std., 4-Speed Opt.
Manual with overdrive (std. or opt.)	NA
Automatic (std. or opt.)	Optional

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds		3-Speed	4-Speed
Transmission ratios	In first	2.58	2.56
	In second	1.48	1.91
	In third	1.00	1.48
	In fourth	--	1.00
	In reverse	2.58	2.64
Synchronous meshing, specify gears		2nd & 3rd	All forward gears
Shift lever location		Steering column	Floor
Lubricants	Capacity (pt.)	2.0	2.5
	Type recommended	Military Spec. MIL-L-2105-B	
	SAE viscosity number	Summer	SAE 80
		Winter	SAE 80
		Extreme cold	SAE 80

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MAKE OF CAR CHEVY II MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (*)

Opt. Hi-Performance

MODEL Engines, L30 and L74

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE NA

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		
	Manual lockout (yes, no)		
	Downshift accelerator control (yes, no)		
	Minimum cut-in speed		
	Gear ratio		
	Capacity (pt.) (Overdrive only)		
Lubricant	Separate filter (yes, no)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
		Est. cold	

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name		Powerglide	
Type describe		Torque converter with planetary gears	
Method of Selection (Lever, Push Button or other)		Steering column except floor 11800	
Selector Pattern		P-R-N-D-L	
List gear ratios Selector Pattern and indicate which are used in each selector position		D - 1.76 and 1.00	
		L & R - 1.76	
		L30	L74
Max. upshift speeds—drive range		58	65
Max. kickdown speeds—drive range		59	61
Torque converter	Number of elements		3
	Max. ratio at stall		2.10
	Type of cooling (air, water)		Water
Lubricant	Capacity—refill (pt.)		3
	Type recommended		A suffix A
Special transmission features			

DRIVE UNITS—PROPELLER SHAFT

Number used		One	
Type (exposed, torque tube)		Exposed, unsupported	
Outer diameter x length* x wall thickness	Manual transmission	3-speed	2.75 x 51.98 x .065
		4-speed	2.75 x 51.98 x .065
	Overdrive transmission		NA
	Automatic transmission		2.75 x 51.98 x .065

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

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MAKE OF CAR	CHEVY II	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED (a)	
Opt. Hi-Performance Engines, L30 and L74		L30		L74			
MODEL		3-Speed	4-Speed	3-Speed	4-Speed		

DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	--
Universal joints	Make	Chevrolet
	Number used	2
	Type (ball end trunnion, cross, other)	Cross
	Bearing	Anti-friction
	Type (plain, anti-friction)	Prepack
	Lubric. (fitting, prepack)	
Drive taken through (torque tube or arms, springs)		Leaf springs
Torque taken through (torque tube or arms, springs)		Leaf springs

DRIVE UNITS—REAR AXLE

Description (see instructions)		Semi-floating, overhung pinion gear
Limited Slip differential, type		Disc clutches, dual
Drive Pinion Offset		1.5
No. of differential pinions		2
Gear ratios (Std. equip.)	Manual transmission	3.07
	Overdrive transmission	NA
	Automatic transmission	3.07
Ring gear O.D. (std. ratio)		9.875
Pinion adjustment (shim, other)		None
Pinion bearing adj. (shim, other)		Shim
Wheel bearing type		Single row cylindrical roller
Lubricant	Capacity (pt.)	4.0
	Type recommended	For conventional axles, Military Spec. MIL-L-2105-B
	SAE viscosity number	SAE 90
	SAE viscosity number	SAE 90
Extreme cold		SAE 80

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio	3.07
Pinion	-4
No. of teeth	-3
Ring gear	

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MAKE OF CAR CHEVY II MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (a)

Opt. Hi-Performance
Engines, L30

MODEL and L74

DRIVE UNITS—WHEELS

Type & material	Short spoke disc, steel	
Rim (size and flange type)	Std.	14x5J
	Opt.	
Attachment	Type (bolt or stud)	Bolt
	Circle diameter	~ 75
	Number and size	5 hex nuts 7/16-20 UNF-2B

DRIVE UNITS—TIRES Hyway, tubeless, 2 ply blackwall unless indicated otherwise

Standard (List option below)	Size & ply	6.95 x 14-4PR
	Type - Nylon, etc.	Rayon
	Rev/mile at 50 mph.	814
Inflation (psia/cold)	Front	24
	Rear	24 except wagons 28
Optional tires - size and ply		6.94 x 14-4PR rayon W/W

BRAKES—SERVICE

		Standard	Metallic (Optional)
Type (duo-servo, disc, balanced, etc.)		Duo-servo 4-wheel hydraulic	
Self adjusting (std., opt., N.A.)		Std., reverse self-adjusting	
Hydraulic system type (single, dual, etc.)		Single	
Power brake make & type (remote, integral, etc.)		Bendix, Delco-Moraine vacuum power unit assists master cylinder: integral	
Effective area (sq. in.) ^a		168.9	118.1
Gross lining area (sq. in.) ^{**}		168.9	118.1
Swept drum area (sq. in.) ^{***}		268.6	
Percent brake effectiveness—front		59.4	
Drum	Diameter	Front	9.5
		Rear	9.5
	Type and material		Composite: cast iron rim; steel web
Wheel cylinder bore	Front	1.06	
	Rear	.975	
Master cylinder bore		1.0	.975
Available pedal travel		6.4	
Line pressure at 100 lb. pedal load		815	1064
Shoe clearance adjustment		Self-adjusting	

(Continued)

^a Excludes rivet holes, grooves, chamfers, etc.

^{**} Includes rivet holes, grooves, chamfers, etc.

^{***} Total swept areas for four brakes

Widest lining contact width for each brake x its drum circumference.

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Opt. Hi-Performance Engines,							
MODEL	L30 & L74	11400	11600	11800			

BRAKES—SERVICE (cont.)

Brake lining	Standard		Metallic (Optional)	
	Bonded or riveted		Bonded	
			Welded	
			Sintered iron	
	Front Shoe	Material	Molded asbestos	
		Size (length x width x thickness)	Front wheel	1.64 x 1.25 x .175
			Rear wheel	1.64 x 1.00 x .175
		Segments per shoe	1	6
	Rear Shoe	Material	Molded asbestos	
		Size (length x width x thickness)	Front wheel	1.64 x 1.25 x .285
			Rear wheel	1.64 x 1.00 x .285
		Segments per shoe	1	10

BRAKES—PARKING

Type of control	Mechanical		
Location of control	Right of steering column under instr. panel		
Operates on	Rear wheels		
If separate from service brakes	Type (internal or external)	--	
	Drum diameter	--	
	Lining size (length x width x thickness)	--	

FRAME or UNITIZED CONSTRUCTION

Type and description	Unitized front end and body proper rigidly bolted together. Frame members incorporated into front end and body.
----------------------	---

SUSPENSION—GENERAL (See Supplemental page 19 for details on Air Suspension)*

Provision for car leveling		Front stabilizer bar
Provision for brake dip control		Monitoring angle of front upper control arm
Provision for acc. squat control		None
Special provisions for car jacking		Place jack just outboard of respective bumper bolt
Shock absorber front & rear	Type	Direct, double-acting, hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features		Single leaf rear springs

SUSPENSION—FRONT

Type and description	Independent - SLA type with coil spring and concentric shock absorber, and spherically-jointed steering knuckle for each wheel. Lower control arm strut supported.
----------------------	--

* Air Suspension:
Air spring type
Compressor data
type
make
drive ratio

Normal operating pressures
spring rates
leveling data

(Continued)

MAKE OF CAR CHEVY II MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (e)
 Opt. Hi-Performance Engines, L30 & L74 L30 & L74
 MODEL (11469)

SUSPENSION FRONT (cont.)

Spring	Type	Coil, RH helix
	Material	Steel alloy
	Size (coil design height & I.D., bar length x dia.)	9.20 & 3.80; 107.28 x .590
	Spring rate (lb. per in.)	300
	Rate at wheel (lb. per in.)	122
	Design load (lb. @ design height)	1280 @ 9.20
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel, .687

STEERING

Manual (std., opt., NA)			Standard	
Power (std., opt., NA)			Optional	
Adjustable steering wheel (tilt, swing, other)		Type and description	NA	
		(std., opt., NA)	--	
Wheel diameter		Manual	16.24	
		Power	16.24	
Turning diameter	Outside front	Wall to wall (l. & r.)	39.5	
		Curb to curb (l. & r.)	38.4	
	Inside rear	Wall to wall (l. & r.)	23.5	
		Curb to curb (l. & r.)	23.8	
Outside wheel angle with inside wheel at 20°			18.7°	
Manual	Gear	Type	Semi-reversible, recirculating ball nut	
		Make		Saginaw
		Ratio		20:1
	Overall		25.4:1	
No. wheel turns			4.50 lock to lock	
Power	Type (coaxial, linkage, etc.)		Linkage	
	Make		Saginaw	
	Gear	Type	Same as Manual	
		Ratio	20:1	
		Overall	25.4:1	
	Pump driven by		Crankshaft pulley	
	Number wheel turns		4.50 lock to lock	
	Linkage	Type		Parallelogram
Location (front or rear of wheels, other)		Rear of wheels		
Drag link (trans. or length)		None		
Tie rods (one or two)		2		

(Continued)

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MAKE OF CAR	CHEVY	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED (s)
Opt. Hi-Performance Engines, L30 & L74						L30 & L74
MODEL						(11469)

STEERING (cont.)

Steering Axis	Inclination of camber (deg.)		6-1/2 to 7-1/2
	Bearings (type)	Upper	Ball stud with sintered iron bearing
		Lower	Ball stud with sintered iron bearing & phenolic seat
		Thrust	None
Wheel alignment (range and preferred)	Caster (deg.)		P1/2 to P1-1/2 (curb)
	Camber (deg.)		0 to P1 (curb)
	Toe-in (outside tread-inches)		1/4 to 3/8 total (curb)
Steering spindle & joint type			Steering knuckle with spherical joints
Wheel spindle	Diameter	Inner bearing	1.2492-1.2498
		Outer bearing	.7491-.7497
	Thread size		3/4-20 NEF-3 (modified)
	Bearing type		Taper roller

SUSPENSION—REAR

Type and description			Hatchkiss with two single leaf springs			
Drive and torq. taken through (see page 17)			Leaf springs			
Spring	Type		Single leaf			
	Material		Chrome carbon steel			
	Size (length x width, coil design height and I.D., bar length & dia.)		62.5 x 2.25 (width @ C/L of axle)			
	Spring rate (lb. per in.)		130			
	Rate at wheel (lb. per in.)		136			
	Design load (lb. at design height)		575 @ ±.31 camber			
	Mounting insulation type		Rubber bushed at shackle and hanger			
	If leaf	No. of leaves		One		
		Inserts	Type and size	--		
Material			--			
		Shackle (comp. or tens.)		Compression		
Stabilizer	Type (link, linkless, frameless)		None			
	Material		--			
Track bar type			None			

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MAKE OF CAR	CHEVY II	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED	(a)
MODEL	11000	SEDANS		COUPES	STATION WAGONS		
		2-DR	4-DR				

BODY—MISCELLANEOUS INFORMATION

Doors, hinged (front, rear)	Front doors	Front		
	Rear doors	Front		
Type of finish (lacquer, enamel, other)		Acrylic lacquer		
Head counterbalanced (yes, no)		Yes		
Head release control (internal, external)		External		
Vehicle (Serial) No. Location		Plate above lower hinge on LH front hinge pillar		
Engine No. Location		Right side of cylinder block to rear of distributor		
Theft protection - type		Shielded ignition lock terminals key removable in "OFF" position		
Vent window control method (crank, friction pivot)	Front	Friction pivot		
	Rear	None		
Seat cushion type	Front	Formed wire and foam pad		
	Rear	Formed spring cotton-jute(a)		
	3rd seat	None		
Seat back type	Front	Formed wire-cotton		
	Rear	Formed wire-cotton		
	3rd seat	None		
Windshield glass type (i.e., single curved - laminated plate)		Curved, laminated		
Backlight glass type (i.e., compound curved - tempered plate, three pieces)		Curved, safety solid	Flat, safety solid	
Side glass type (i.e., curved - tempered plate)		Flat, safety solid		
Side glass exposed surface area	1375.0	1278.6	1250.2	2444.5
Windshield glass exposed surface area	1007.3		927.9	1007.3
Backlight glass exposed surface area	797.1		1117.0	698.4
Total glass exposed surface area	3179.4	3083.0	3265.1	4150.2

BODY—CONVENIENCE EQUIPMENT (Indicate whether standard, optional or NA on each series)

Power windows	Side Windows	NA
	Vent Windows	NA
	Backlight or tailgate	Optional on wagons
Power seats (specify type as well as availability)		NA
Reclining front seat back		NA
Front seat headrest		NA
Radios (specify type as well as availability)		Manual, push button, AM-FM push button optional
Rear seat speaker		Optional
Power Antenna		NA
Clock		Optional (Standard on Nova SS)
Air Conditioner (specify type and availability)		All weather, optional

(a) - Nova and Nova Super Sport, foam pad

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WEIGHTS

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