AMA Specifications — Passenger Car

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MANUFACTURER	CAR NAME	
CHRYSLER-PLYMOUTH DIVISION CHRYSLER CORPORATION	CHRYSLER	
MAILING ADDRESS DETROIT 31, MICHIGAN	MODEL YEAR 1964	ISSUED: 8-16-63 REVISED (•) 2-12-64

NOTES:

1. The 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.

TABLE OF CONTENTS

BODY—TYPES AND STYLE NAMES— Body type, number of passenger & style names; use manufacturer's code for series & body style.

		NEWPORT VC1-L	300 VC2-M	300 K VC2-M	NEW YORKER VC3-H	NEW YORKER SALON VC3-H
2-DOOR HARDTOP	23	VC1-L-23	VC2-M-23	VC2-M-23	--	--
CONVERTIBLE COUPE	27	VC1-L-27	VC2-M-27	VC2-M-27	--	--
4-DOOR SEDAN	41	VC1-L-41	--	--	VC3-H-41	--
4-DOOR HARDTOP	43	VC1-L-43	VC2-M-43	--	VC3-H-43	VC3-H-43
4-DOOR HARDTOP STATION WAGON, 6-PASS.	46	VC1-L-46	--	--	VC3-H-46	--
4-DOOR HARDTOP STATION WAGON, 9-PASS.	46	VC1-L-46	--	--	VC3-H-46	--

AMA Specifications — Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-16-63 REVISED(•) 2-12-64

GENERAL SPECIFICATIONS - Standard Equipment

(All dimensions in inches unless otherwise indicated)

MODEL			Additional Information Page No.:	VC1-L			VC2-M				VC3-H		
				23, 41, 43	27	46	300 23, 43	300 27	300 K 23	300 K 27	New Yorker 41, 43	New Yorker 46	Salon 43
Wheelbase (L101)			23	122.0									
Tread	Front (W101)		22	61.0									
	Rear (W102)		22	59.7									
Maximum Overall Dimensions	Length (L103)		23	215.3		219.4	215.3					219.4	215.3
	Width (W103)		22	80.0									
	Height (H101)		24	55.0	55.2	55.4	55.1	55.2		55.4	55.3	55.7	55.6 •
Transmission—(Specify trade name – opt., not available)	Manual	3-Speed	15	Std.					--				
		4-Speed	16	NA			Opt.				NA		
	Automatic		16	Opt.					Std.				
Axle ratio	Manual	3-Speed	17	3.23					--				
		4-Speed	17	--			3.23				--		
	Automatic		17	2.76			3.23				2.76		
Tire size			18	8.00 x 14							8.50 x 14		9.00 x 14
Engine	Type, no. cyl., valve arr.		2	90° V-8									
	Fuel system (Carb., other)		8	Carb. 2-bbl					Carb. 4-bbl				
	Bore and stroke		2	4.12 x 3.38			4.25 x 3.38		4.19 x 3.75				
	Piston displ., cu.in.		2	361			383		413				
	Std. compression ratio		2	9.0			10.0		10.1				
	Max. bhp at engine rpm		2	265 @ 4400			305 @ 4600		360 @ 4800		340 @ 4600		
	Max. torque at rpm		2	380 @ 2400			410 @ 2400		470 @ 3200		470 @ 2800		

AMA Specifications—Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-16-63 REVISED (*)

MODEL

	VC1-L	VC2-M				VC3-H
		300		300 K		
	Std.	Std.	Opt.	Std.	Opt.	Std.

ENGINE—GENERAL

Type, no. cyls., valve arr.		90° V-8				
Bore and stroke (nominal)		4.12 x 3.38	4.25 x 3.38	4.19 x 3.75		
Piston displacement, cu. in.		361	383	413		
Bore spacing (C/L to C/L)		4.80				
No. system (front to rear)	L. Bank	1 - 3 - 5 - 7				
	R. Bank	2 - 4 - 6 - 8				
Firing order		1 - 8 - 4 - 3 - 6 - 5 - 7 - 2				
Compres. ratio (nominal)		9.0	10.0	10.1	9.6	10.1
Cylinder Head Material		Cast iron				
Cylinder Block Material		Cast iron				
Cylinder Sleeve-Wet, dry, none		None				
Number of mounting points	Front	Two				
	Rear	One				
Engine installation angle		1° Right, 3.5° Up				
Taxable horsepower $\frac{\text{Dia.}^2 \times \text{No. Cyl.}}{2.5}$		54.3	57.8	56.2		
Published max. bhp* @ eng. RPM		265 @ 4400	305 @ 4600	360 @ 4800	390 @ 4800	340 @ 4600
Published max. torque* (lb. ft. @ RPM)		380 @ 2400	410 @ 2400	470 @ 3200	485 @ 3600	470 @ 2800
Recommended fuel regular - premium		Regular	Premium			
Idle speed (spec. neutral or drive)	Manual	500 (a)			700 (a)	500 (a)
	Automatic	500 (a)			700 (a)	500 (a)

ENGINE—PISTONS

Material		Aluminum alloy				
Description and finish		Slipper-type, steel strut, elliptically-turned, tin-plated				
Weight (piston only) oz.		25.3	27.1	27.5		
Clearance (limits)	Top land	.032 - .038				
	Skirt Top	.0005 - .0015 specified, .00075 - .00125 desired				
	Skirt Bottom	--				
Ring groove depth	No. 1 ring	.215	.220	.217		
	No. 2 ring	.215	.220	.217		
	No. 3 ring	.204	.208	.206		
	No. 4 ring	None				

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

(a) In neutral.

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-19-63 REVISED (•) _____

POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY		ENGINE					TRANSMISSION		AXLE RATIO (Std. first) Sure-Grip differential, Optional, all ratios.
		Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM			
VC1-L	Std	361	1, 2-bbl	9.0	265 @ 4400	380 @ 2400	Manual 3-Speed		3.23
							Automatic		2.76, 3.23
VC2-M 300	Std	383	1, 2-bbl	10.0	305 @ 4600	410 @ 2400	Manual	3-Speed	3.23
								4-Speed	3.23
							Automatic		3.23
	Opt	413	1, 4-bbl	10.1	360 @ 4800	470 @ 3200	Manual	3-Speed	3.23
								4-Speed	3.23
							Automatic		3.23
VC2-M 300 K	Std	413	1, 4-bbl	10.1	360 @ 4800	470 @ 3200	Automatic		3.23
							Manual 4-Speed		3.23
	Opt	413	2, 4-bbl Ram	9.6	390 @ 4800	485 @ 3600	Automatic		3.23
							Manual 4-Speed		3.23
VC3-H New Yorker	Std	413	1, 4-bbl	10.1	340 @ 4600	470 @ 2800	Automatic		2.76, 3.23
VC3-H Salon	Std	413	1, 4-bbl	10.1	340 @ 4600	470 @ 2800	Automatic		2.76

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-19-63 REVISED (•)

MODEL

See Page 2 for engine usage

			361 cu in.	383 cu in.	413 cu in.
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 iron, standard taper and twist, tin-plated		
	Width		.078		
	Gap		.013 - .025		
Oil	Description – material, type, coating, etc.		Cast iron, single piece		
	Width		.186		
	Gap		.013 - .025		
Expanders			Oil ring only: standard tension, hump type		
ENGINE—PISTON PINS					
Material			High manganese steel		
Length			3.565		
Diameter			1.094		
Type	Locked in rod, in piston, floating, etc.		Press-fit in rod		
	Bushing	In rod or piston	None		
		Material	--		
Clearance	In piston		.00045 - .00075		
	In rod		.0007 - .0014 interference		
Direction & amount offset in piston			.09 right		
ENGINE—CONNECTING RODS					
Material			Drop-forged steel		
Weight (oz.)			28.6		29.8
Length (center to center)			6.36		6.77
Bearing	Material & Type		Lead-base babbitt on steel, removable, precision		
	Overall length		.927		
	Clearance (limits)		.0005 - .0015		
	End play		.009 - .017 (2 rods)		

AMA Specifications–Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-19-63 REVISED (•)

MODEL

See Page 2 for engine usage

			361, 2-bbl 383, 2-bbl	413, 4-bbl	413, 2, 4-bbl Ram
ENGINE—CRANKSHAFT					
Material			Drop-forged steel		
Vibration damper type			Non-adhesion, dynamic		
End thrust taken by bearing (No.)			Three		
Crankshaft end play			.002 - .007		
Main bearing	Material & type		Numbers 1, 2, 4, & 5: Lead-base babbitt on steel, removable, precision Number 3: Tin-base babbitt on steel		
	Clearance		.0002 - .0022 specified, .0005 - .0015 desired		
	Journal dia. and bearing overall length	No. 1	2.625 x 0.944	2.750 x 0.944	
		No. 2	2.625 x 0.944	2.750 x 0.944	
		No. 3	2.625 x 1.221	2.750 x 1.221	
		No. 4	2.625 x 0.944	2.750 x 0.944	
		No. 5	2.625 x 0.944	2.750 x 0.944	
		No. 6	--		
		No. 7	--		
	Dir. & amt. cyl. offset		None		
Crankpin journal diameter			2.375		
ENGINE—CAMSHAFT					
Location			Center of "V", above crankshaft		
Material			Hardenable cast iron; cams and drive gear for distributor and oil pump cast integrally		
Bearings	Material		Lead-base babbitt on steel		
	Number		Five		
Type of Drive	Gear or chain		Chain		
	Crankshaft gear or sprocket material		Malleable cast iron or sintered iron (Super Oilite)		
	Camshaft gear or sprocket material		Cast iron		
	Timing chain	No. of links	50		
		Width	.88		
		Pitch	.50		
ENGINE—VALVE SYSTEM					
Hydraulic lifters (Std, opt, NA)			Std		NA
Valve rotator, type (intake, exhaust)			Low-friction lock on exhaust		
Rocker ratio			1.5		
Operating tappet clearance (indicate hot or cold)	Intake		Hydraulic		.017 Cold
	Exhaust		Hydraulic		.028 Cold
Timing marks on flywheel, damper, other			Stationary indicator on chain case cover		

(Continued)

AMA Specifications–Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-19-63 REVISED (*)

MODEL

ENGINE—VALVE SYSTEM (cont.)

			VC1-L Std VC2-M 300 Std VC3-H Std	VC2-M 300 Opt VC2-M 300 K Std	VC2-M 300 K Opt
Timing	Intake	Opens (°BTC)	13	24	18
		Closes (°ABC)	59	64	70
		Duration - deg.	252	268	268
	Exhaust	Opens (°BBC)	59	64	66
		Closes (°ATC)	13	24	22
		Duration - deg.	252	268	268
	Valve opening overlap		26	48	40
Intake	Material		SAE 1041		
	Overall length		4.87		
	Actual overall head dia.		2.08		
	Angle of seat & face		45°		
	Seat insert material		None		
	Stem diameter		.37		
	Stem to guide clearance		.001 - .003		
	Lift (@ zero lash)		.392	.430	.445
	Outer spring press. and length	Valve closed (lb. @ in.)	100 @ 1.86		90 @ 1.86
		Valve open (lb. @ in.)	195 @ 1.47		225 @ 1.43
	Inner spring press. and length	Valve closed (lb. @ in.)	None	Damper only	
		Valve open (lb. @ in.)	None	Damper only	
Exhaust	Material		21-4N		
	Overall length		4.89		
	Actual overall head dia.		1.60		1.74
	Angle of seat & face		45°		
	Seat insert material		None		
	Stem diameter		.37		
	Stem to guide clearance		.002 - .004		
	Lift (@ zero lash)		.390	.430	.452
	Outer spring press. and length	Valve closed (lb. @ in.)	100 @ 1.86		90 @ 1.86
		Valve open (lb. @ in.)	195 @ 1.47		225 @ 1.43
	Inner spring press. and length	Valve closed (lb. @ in.)	None	Damper only	
		Valve open (lb. @ in.)	None	Damper only	

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Metered jet spray
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Jet
	Cylinder walls	Metered jet spray

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-19-63 REVISED (•)

MODEL	VC1-L VC2-M 300 VC3-H, Sd & HT	VC3-H Station Wagon	VC2-M 300 Opt VC2-M 300K Std	VC2-M 300 K Opt

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Rotary
Normal oil pressure (lb. @ engine rpm)	45 - 65 @ 2000
Oil pressure sending unit (elect. or mech.)	Electrical
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, partial, other)	Full flow
Filter replacement (element, complete)	Complete
Capacity of crankcase, less filter-refill (qt.)	5
Oil grade recommended (SAE viscosity and temperature range)	Above +32 F . . . . . SAE 10W-30 or SAE 30 As low as +10 F . . . . . SAE 10W-30 or SAE 10W As low as -10 F . . . . . SAE 5W-20, SAE10W-30, Below -10 F . . . . . SAE 5W-20, SAE 5W
Engine Service Requirement (MM, MS, etc.)	

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Single, with Crossover	Dual		
Muffler No. & type (reverse flow, straight thru, separate resonator)		(a)	(b)	Two, reverse flow	
Exhaust pipe dia. (O.D. & wall thickness)	Branch	2.00 x .083	--		
	Main	2.50 x .083	2.00 x .083	2.25 x .083	2.50 x .083
Tail pipe diameter (O.D. & wall thickness)		2.00 x .048	1.75 x .048	2.00 x .048	2.25 x .075

ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., Induction system, other)		Standard	Induction system
		Optional	--
Control unit	Make and model		Chicago Screw - 2463554
	Location		Cylinder head cover outlet
	Energy source (manifold vacuum, carburetor air stream, other)		Manifold
	Control method (variable orifice, fixed orifice, other)		Variable orifice
Complete system	Discharges (to Intake manifold, carb. air intake, air cleaner Intake, other		To intake manifold, at or through base of carburetor
	Air inlet (breather cap, carburetor air cleaner, other)		Breather cap
	Flame arrestor (screen, check valve, other)		Check valve

(a) Two - One reverse flow, one straight-through resonator.

(b) Four - Two reverse flow, two straight-through resonators.

AMA Specifications– Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-19-63 REVISED (•)

MODEL All Models

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.)		All except station wagon - 23, station wagon - 21
	Filler location		Behind rear license plate; sta. wag. - top of left rear fender
Fuel Pump	Type (elec. or mech.)		Mechanical
	Locations		Right front
	Pressure range		4 - 5.5 psi
Vacuum booster (std., optional, none)			None
Fuel Filter	Type		Fuel tank - plastic, fuel line - paper
	Locations		In fuel tank and in line between fuel pump and carburetor
Carburetor	Choke type		Automatic, separate (a)
	Intake manifold heat control (exhaust or water)		Exhaust
	Air clnr. type	Standard	Paper element
		Optional	--

(a) Manually-operated choke is used for 300 K option engine.

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage		Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
				Make	Model		
VC1-L	Std	361	Manual	Stromberg	WWC 3-244	1, 2-bbl	1-9/16
			Automatic		WWC 3-242		
VC2-M 300	Std	383	All	Ball and Ball	BBD 3685 S	1, 2-bbl	1-9/16
	Opt	413		Carter	AFB 3614 S	1, 4-bbl	P: 1-7/16 S: 1-9/16
VC2-M 300 K	Std	413	All	Carter	AFB 3614 S	1, 4-bbl	P: 1-7/16 S: 1-9/16
	Opt				(2) AFB 3505 SA	2, 4-bbl Ram	P: 1-7/16 S: 1-11/16
VC3-H	Std	413	Automatic	Carter	AFB 3615 S	1, 4-bbl	P: 1-7/16 S: 1-9/16

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-19-63 REVISED (•)

MODEL

ENGINE—COOLING SYSTEM

			Std. Equip. VC1-L, VC2-M 300, VC2-M 300 K, VC3-H	With Air Conditioning (a) VC1-L VC2-M 300	With Air Conditioning (a) VC2-M 300 K VC3-H
Type system (pressure, pressure vented, atmospheric, other)			Pressure-Vent		
Radiator cap relief valve pressure			14, 16 with air conditioning		
Circulation thermostat	Type (choke, bypass)		Choke		
	Starts to open at (°F)		177 - 184		
Water pump	Type (centrifugal, other)		Centrifugal		
	GPM @ 1000 pump rpm		NA		
	Number of pumps		One		
	Drive (V-belt, other)		V-belt		
	Bearing type		Ball, permanently-sealed		
By-pass recirculation type (internal, external)			Internal		
Radiator core type (cellular, tube and fin, other)			Tube and spacer		
Cooling system capacity	With heater (qt.)		17		
	Without heater (qt.)		16		
	Opt. equipment-specify (qt.)		None		
Water jackets full length of cylinder (yes, no)			No		
Water all around cylinder (yes, no)			Yes		
Radiator hose	Lower	Number and type (molded, straight)	One, molded		
		Inside diameter	Water pump end 1.75, radiator end 1.50		
	Upper	Number and type (molded, straight)	One, molded		
		Inside diameter	1.50		
	By-pass	Number and type (molded, straight)	None		
		Inside diameter	--		
Fan	Number of blades & Spacing		Four, 76° - 104° (b)	Seven, 60° - 45° - 59° - 47° - 54° - 50° - 45°	
	Diameter		18		
	Ratio-fan to crankshaft rev.		.95 to 1	1.29 to 1	
	Fan cutout type		None (c)	Viscous drive	
	Bearing type		See water pump above		
*Drive belts (indicate belt used by letter)	Fan & Water Pump		A	C	
	~~Generator~~ Alternator		A	D (2)	E (2)
	~~Water Pump~~				
	Power Steering		B		
	Air Conditioning		--	D (2)	E (2)

* Drive Belt Dimensions	A	B	C	D	E
Angle of V	36°				
Nominal length (SAE)	46.25	43.00	34.25	66.35	67.50
Width	.38	.50	.38	.47	

(a) Air conditioning is not available either with manual steering or with manual transmission.

(b) Seven-blade fan is standard for 300 K.

(c) Viscous drive is standard for 300 K with optional engine.

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-19-63 REVISED (•)

MODEL	VC1-L	VC2-M		VC3-H
		300	300 Opt 300 K	

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Various		
	Voltage Rtg. & Total Plates		12, 66	12, 78	
	SAE Designation & Amp Hr. Rtg		9 HC 3A, 59	9 HC 5, 70	
	Location		Left front fender shield		
	Terminal grounded		Negative		
Alternator ~~Generator~~	Make		Chrysler		
	Model		2098830		
	Type		Three-phase, full-wave rectifier		
	Ratio—Gen. to Cr/s rev.		2.32; with A/C 2.44	2.32; with A/C 2.40	
	Gen. cut-in (hot)—engine rpm		Not applicable		
Regulator	Make		Chrysler		
	Model		2098300		
	Type		Voltage only		
	Cutout relay	Closing voltage @ generator rpm	--		
		Reverse current to open	--		
	Regulated	Voltage	13.7 to 14.3 @ 70 F		
		Current	--		
	Voltage test conditions	Temperature	70 F		
		Load	15-amp		
		Other	Run 15 min. @ 1200 engine rpm		

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Chrysler		
	Model		Manual 1889200	Automatic 2095150	2095150
	Rotation (drive end view)		Clockwise		
	Engine cranking speed		35 rpm (cold)		
	Test conditions		-20 F with SAE 5W-20 engine oil		
	Lock test	Amps	350	400 - 450	400 - 450
		Volts	4	4	4
		Torque (lb. ft.)	8.5	--	--
	No load test	Amps	78 max.	90 max.	90 max.
		Volts	11	11	11
		RPM (min.)	3800	1925 - 2400	1925 - 2400
Motor control	Switch (solenoid, manual)		Solenoid		
	Starting procedure		With transmission in neutral, depress accelerator pedal one-third and turn ignition key beyond "Ignition On" position		

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-19-63 REVISED (•)

MODEL

VC1-L VC2-M 300 Std. Equip.	VC2-M 300 Opt VC2-M 300 K Std	VC2-M 300 K Opt	VC3-H

ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Solenoid
	Pinion meshes (front, rear)		Front
	Number of teeth	Pinion	w/manual trans. 9; w/auto. trans. 10
		Flywheel	172 130
	Flywheel tooth face width		.340

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Prestolite or Essex w/Chrysler-built resistor			
	Model		Prestolite 200759, Essex 67-160-4			
	Amps	Engine stopped	3.0			
		Engine idling	1.9			
Distributor	Make		Chrysler	Prestolite		Chrysler
	Model		2444261	IBS-4011 C	IBS-4011 D	2444263
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	0 @ 500 - 900	0 @ 650 - 950	0 @ 1050 - 1350	0 @ 620 - 980
		Intermediate points deg. @ rpm	0 - 4 @ 900 5 - 9 @ 1400	0 - 8 @ 950 9 - 13 @ 1280	0 - 6 @ 1350	0 - 4 @ 980 7 - 11 @ 1600
		Max deg. @ rpm	21 - 25 @ 4300	18 - 22 @ 4800	9 - 13 @ 1820	17 - 21 @ 4600
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	0 @ 4.5 - 8.0	0 @ 7.2 - 8.9	0 @ 6 - 9	0 @ 6 - 9
		Intermediate points, deg @ in Hg	12 - 18 @ 12	9 - 15 @ 12	9 - 15 @ 12	6 - 12 @ 11
		Max. deg. in. Hg.	23 - 29 @ 16.5	15 - 21 @ 14.5	15 - 21 @ 14.3	12 - 17 @ 13
	Breaker gap (in.)		.014 - .019			
	Cam angle (deg.)		28 - 33	One set 27-32, Two sets 34-40		28 - 33
	Breaker arm tension (oz.)		17 - 20	17 - 21.5		17 - 20
Timing	Crankshaft deg. @ rpm.		10 BTC		12.5 BTC	10 BTC
	Mark location		Stationary indicator on chain case cover			
	Cylinder numbering system (see page 2)		Left bank: 1 - 3 - 5 - 7 Right bank: 2 - 4 - 6 - 8			
	Firing order (see page 2)		1 - 8 - 4 - 3 - 6 - 5 - 7 - 2			
Spark Plug	Make and model		Champion			
			J 12 Y	J 10 Y	XJ 10 Y	J 12 Y
	Thread (mm)		14-mm			
	Tightening torque (lb. ft.)		30 - 32			
	Gap		.035			
Cable	Conductor type		Resistor			
	Insulation type		Synthetic rubber with hypalon jacket (a)			
	Spark plug protector		Silicone			

ELECTRICAL—SUPPRESSION

Locations & type	Resistor-type spark plug and coil leads

(a) 300 K option uses synthetic rubber with silicone jacket.

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-19-63 REVISED (•)

MODEL All Models

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speedometer	Make	Stewart-Warner
	Trip odometer (yes, no)	Yes
Charge indicator—type		Ammeter
Temperature indicator—type		Electric-Thermal
Oil pressure indicator—type		Light
Fuel indicator—type		Electric-Thermal
Other		None
Ignition switch	Identify positions in order and circuits controlled	Center position . . . . . Off 1st position clockwise . . . . . Ignition and accessory circuit only 2nd position clockwise . . . . . Starter and ignition circuit only 1st position counterclockwise . . Accessory circuit only
	Provision for illumination	Yes
	Location	Right of steering column
Main lighting switch	Identify positions and lamps controlled	Full in . . . . . Off 1st position out . . . . . Instruments, tail, parking, and license plate lamps Full out . . . . . Instruments, tail, head, and license plate lamps
Other light switches	Locations and lamps controlled	INSTRUMENT LAMPS: Variable rheostat, concentric with head lamp switch. OIL PRESSURE SWITCH: Engine. DOME LAMP: Integral with head lamp switch. AUTOMATIC DOOR SWITCH: Both front doors. STOP LAMP SWITCH: Brake pedal. DIRECTIONAL SIGNAL SWITCH: Lever on steering column below steering wheel.
Other switches	Locations and devices controlled	WINDSHIELD WIPER SWITCH - One-speed, left of steering column (Variable-speed optional) HEATER CONTROL - Two-speed, by push buttons right of steering column DEFROSTER CONTROL - Push button, right of steering column AIR VENT - Push button, right of steering column
Windshield wiper	Make	Autolite or Leece-Neville
	Type	Electric
	Vacuum booster provision	None
	Washer provision	Yes
Horn	Type	Sea Shells
	Number used	Two
	Amp draw (each)	Sparton Automotive: 6 - 8 amp; Autolite: 8 - 10 amp

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-19-63 REVISED (•)

	VC1-L		VC2-M		VC3-H		
MODEL	Exc. 46	46	300	300 K	Exc. 46	46	Salon

ELECTRICAL—LAMP BULBS

NOTE: See Below

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

Headlamps & arrangement		Hi-beam 2-4001, Lo-beam 2-4002					
Headlamp beam indicator		1-57					
Parking		2-1034 A (A)					
Tail		2-1034 (B)					
Stop		(B)					
Direction signal	Front	(A)					
	Rear	(B)					
	Indicator	2-57					
License Plate		1-67	2-67	1-67		2-67	1-67
Oil pressure indicator		1-57					
Charge indicator		Gauge					
Instrument		5-57 (C)					
Clock		(C)					
Radio		2-53X*					

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

Ignition lock		1-53X					
Back up		2-1003*	2-1073	2-1003*	2-1003	2-1073	2-1003
Dome, Center		1-1004 (a)					
Glove compartment		1-1891*			1-1891		
Prkg. brake signal		1-57*			1-57		NA
Luggage compartment		1-1004*	NA	1-1004*	1-1004	NA	1-1004
Underhood		1-1004* (b)					
Courtesy / Man.		1-1004*			1-1004		
~~xxx~~ Dome, Rear		NA	1-1004* (c)		NA	1-1004* (c)	NA
Trans. Push Buttons		NA			1-53X		
Ash Receiver		1-53					
Heater or A/C		1-57*					
Auto Pilot		1-1816					

NOTE: Where bulbs are used for more than one function, their first use is indicated by a letter and other functions by the same letter. An asterisk (*) indicates the bulb is optional equipment.

(a) Not available on convertible coupes.

(b) Dealer installed only.

(c) With third-seat package only.

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-19-63 REVISED (•) 2-12-64

MODEL	VC1-L		VC2-M	VC3-H		
	Exc. 46	46	All	Exc. 46	46	Salon

ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

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

Headlamp	20 CB (A)
Headlamp beam indicator	(A)
Parking lamp	AGC 20 (B)
Tail lamp	(B)
Stop lamp	(B)
Direction indicator	None
License plate lamp	(B)
Instrument lamp	AGC 3 (C)
Ignition lamp	(B)
Back up lamp	Same as windshield wiper
Dome lamp	(B)
Clock	None
Clock lamp	(C)
Radio	AGC 7.5
Glove compartment lamp	AGC 20 (D)
Trunk	(B)
Underhood	None
Parking Brake Indicator	AGC 20 (F)
Cigar Lighter	(D)
Map and Courtesy	(D)
Heater or A/C	AGC 20
Oil Pressure Indicator	None
Windshield Wiper	Single-speed 5 CB; Variable-speed 6 CB

ELECTRICAL—LOCATION OF OUTSIDE LAMPS

Height above ground to center of bulb	Tail	Lowest	--					
		Highest	21.9	24.0	23.2	23.5	24.3	23.8 •
	Stop		Same as taillight					
	Backup		13.7	14.5	13.8	14.0	14.8	14.4 •
	License, rear		16.8	14.9	16.9	17.1	15.2	17.5 •
	Directional	Front	15.9	16.6	15.9	16.1	16.8	16.4 •
		Rear	Same as taillight					
	Headlamp	Inside	25.5	26.3	25.6	25.8	26.5	26.1 •
		Outside*	25.4	26.2	25.0	25.7	26.4	26.0 •
Distance from C/L of car to center of bulb	Tail	Inside	--					
		Outside	31.5	31.9	31.5		31.9	31.5
	Stop		Same as taillight					
	Backup		23.4	8.7	23.4		8.7	23.4
	License, rear		0	9.8	0		9.8	0
	Directional	Front	27.9					
		Rear	Same as taillight					
	Headlamp	Inside	27.7					
		Outside*	34.6					

* If single headlamps are used enter here. (a) A single bulb use for the three light functions.

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-20-63 REVISED (•)

MODEL	VC1-L	VC2-M				VC3-H
		300		300 K		
		3-Speed	4-Speed	Std. Engine	Opt. Engine	

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type		Borg and Beck, dry plate, semi-centrifugal					--
Type pressure plate springs		Coil					--
Effective plate pressure (lb.)		1790	2370	2350	2370	2350	--
No. of clutch driven discs		One					
Clutch facing	Material	Woven asbestos					--
	Outside & inside dia.	10.5 x 6.5	11.0 x 6.5	10.5 x 6.5	11.0 x 6.5	10.5 x 6.5	--
	Total eff. area (sq.in.)	106.8	123.7	106.8	123.7	106.8	--
	Thickness	.125					--
	Engagement cushioning method	Flat wave springs					--
Release bearing	Type & method of lubrication	Ball bearing, permanently lubricated					--
Torsional damping	Methods: springs, friction material	Coil springs and friction washers					--

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	Std. 3-speed	Opt. 4-sp.	Opt. 4-sp.	NA
Manual with overdrive (std. or opt.)	NA			
Automatic (std. or opt.)	Opt.		Std.	

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds	3	4		--
Transmission ratios: In first	2.55	2.66		--
In second	1.49	1.91		--
In third	1.00	1.39		--
In fourth	--	1.00		--
In reverse	3.34	2.58		--
Synchronous meshing, specify gears	1 & 2	All forward gears		--
Shift lever location	Floor			--
Lubricant: Capacity (pt.)	5.0	7.5		--
Type recommended	Automatic Transmission Fluid, Type "A", Suffix "A"			--
SAE viscosity number: Summer	--			--
Winter	--			--
Extreme cold	--			--

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-20-63 REVISED (•)

MODEL	VC1-L	VC2-M		VC3-H
		300	300 K	

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

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			
	Lubricant: Capacity (pt.) (Overdrive only)			
	Lubricant: Separate filler (yes, no)			
	Lubricant: Type recommended			
	Lubricant: SAE viscosity number: Summer			
	Lubricant: SAE viscosity number: Winter			
	Lubricant: SAE viscosity number: Ext. cold			

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	TorqueFlite Eight		
Type describe	Torque converter with automatically-operated planetary gear transmission		
Method of Selection (Lever, Push Button or other)	Push button		
Selector Pattern	Vertically, left of instrument cluster		
List gear ratios Selector Pattern and indicate which are used in each selector position	R Reverse . . . . . 2.20 N Neutral . . . . . -- D Drive . . . . . 2.45 - 1.45 - 1.00 2 Second . . . . . 2.45 - 1.45 1 First 2.45		
Max. upshift speeds—drive range	73		75
Max. kickdown speeds—drive range	68		68
Torque convertor: Number of elements	Three		
Torque convertor: Max. ratio at stall	2.20		
Torque convertor: Type of cooling (air, water)	Water		
Lubricant: Capacity—refill (pt.)	19.5		
Lubricant: Type recommended	Automatic Transmission Fluid, Type "A", Suffix "A"		
Special transmission features	Parking pawl, manually-operated lever		

DRIVE UNITS—PROPELLER SHAFT

Number used	One				
Type (exposed, torque tube)	Exposed				
Outer diameter x length* x wall thickness: Manual transmission	3-Speed	3.00 x 58.85 x .065		--	
	4-Speed	--	3.25 x 58.85 x .065		--
	Automatic transmission	2.75 x 58.85 x .065		3.00 x 58.85 x .065	2.75 x 58.85 x .065

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

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-20-63 REVISED (*)

MODEL	VC1-L	VC2-M		VC3-H
		300	300 K	

DRIVE UNITS—PROPELLER SHAFT (cont.)

Intermediate bearing	Type (plain, anti-friction)		--
	Lubrication (fitting, prepack)		--
Universal joints	Make		Chrysler
	Number used		Two
	Type (ball and trunnion, cross, other)		Front - Ball and Trunnion Rear - Cross and roller
	Bearing	Type (plain, anti-friction)	Anti-friction
		Lubric. (fitting, prepack)	Prepack
Drive taken through (torque tube or arms, springs)			Rear springs
Torque taken through (torque tube or arms, springs)			Rear springs

DRIVE UNITS—REAR AXLE

Description (see instructions)			Std: One-piece case Opt: Sure-Grip, 2-piece case		
Limited Slip differential, type			Torque bias		
Drive Pinion Offset			1.50		
No. of differential pinions			Std: 2; Opt: Sure-Grip - 4		
Gear ratios (Std. equip.)	Manual trans.	3-Speed	3.23		--
		4-Speed	--	3.23	--
	Automatic transmission		2.76	3.23	2.76
Ring gear O.D. (std. ratio)			8.75		
Pinion adjustment (shim, other)			Solid shim (washer)		
Pinion bearing adj. (shim, other)			Shim pack		
Wheel bearing type			Tapered roller bearing		
Lubricant	Capacity (pt.)		4.0		
	Type recommended		Multipurpose gear lubricant		
	SAE viscosity number	Summer	SAE 90: Above -10 F		
		Winter	SAE 80: Above -30 F		
		Extreme cold	SAE 75: Below -30 F		

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		2.73	3.23
No. of teeth	Pinion	17	13
	Ring gear	47	42

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-23-63 REVISED (•)

	VC1-L		VC2-M		VC3-H		
MODEL	Exc. 46	46	300	300 K	Exc. 46	46	Salon

DRIVE UNITS—WHEELS

Type & material		Disc, steel					
Rim (size and flange type)	Std.	5.5 K	6.0 K			6.5 K	
	Opt.	6.0 K	--			--	
Attachment	Type (bolt or stud)	Stud					
	Circle diameter	4.5					
	Number and size	Five, 1/2 - 20 NF					

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply (a)	8.00 x 14, 2			8.50 x 14, 4		9.00 x 14, 4
	Type - Nylon, etc.	Rayon					
Rev/mile at 50 mph.		750	751		733	731	720
Inflation press.(cold)	Front	24		22	24		22
	Rear	22 (b)	26	22 (b)		26	20
Optional tires - size and ply							

BRAKES—SERVICE

Type (duo-servo, disc, balanced, etc.)		Duo-servo					
Self adjusting (std., opt., N.A.)		Std					
Hydraulic system type (single, dual, etc.)		Single					
Power brake make & type (remote, integral, etc.)		Vacuum suspended					
		Integral		Remote	Integral		
Effective area (sq. in.)*		263.3				287.2	263.3
Gross lining area (sq. in.)**		263.3				287.2	263.3
Swept drum area (sq. in.)***		380.1				414.7	380.1
Percent brake effectiveness—front		60					
Drum	Diameter Front	11					
	Diameter Rear	11					
	Type and material	Cast iron, composite					
Wheel cylinder bore	Front	1.125					
	Rear	0.9375					
Master cylinder bore		1.000					
Available pedal travel		Manual 7.1, Power 3.23					
Line pressure at 100 lb. pedal load		Manual 860, Power 930					
Shoe clearance adjustment		No major adjustment required					

* 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.

(Continued)

(a) 4-ply tires on VC1-L-46 and VC2-M (300 K); 8.50 x 14, 4-ply on VC2-M (300 K with opt. engine); 8.50 x 14, 4-ply on VC1 and VC2 with air conditioning; 9.00 x 14, 4-ply on VC3-H-46 with air conditioning.

(b) For oversize tires used with air conditioning, tire pressures are 22 lb front and rear.

AMA Specifications—Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-23-63 REVISED (•)

MODEL	VC1, VC2, and VC3 Exc. 46	VC3 (46 only)

BRAKES—SERVICE (cont.)

Brake lining	Bonded or riveted			Bonded	
	Front Shoe	Material		Extruded asbestos	
		Size (length x width x thickness)	Front wheel	11.97 x 3.00 x 0.21	
			Rear wheel	11.97 x 2.5 x 0.21	11.97 x 3.0 x 0.21
		Segments per shoe		Two	
	Rear Shoe	Material		Extruded asbestos	
		Size (length x width x thickness)	Front wheel	11.97 x 3.00 x 0.21	
			Rear wheel	11.97 x 2.5 x 0.21	11.97 x 3.0 x 0.21
		Segments per shoe		Two	

BRAKES—PARKING

Type of control		Foot-operated, hand pull-release
Location of control		Through left end of instrument 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

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

Provision for car leveling		By manual adjustment at torsion bar rear anchor bolt
Provision for brake dip control		By inclined upper control arms and asymmetrical rear springs
Provision for acc. squat control		By asymmetrical rear springs
Special provisions for car jacking		None
Shock absorber front & rear	Type	Direct
	Make	Own
	Piston dia.	1.00
Other special features		--

SUSPENSION—FRONT

Type and description	Independent, lateral, non-parallel control arms with torsion bars

(Continued)

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

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-23-63 REVISED (•)

MODEL	VC1		VC2			VC3
	Exc. 46	46	300 Exc. 300 K	300 K Std.	300 K Opt. Eng.	

SUSPENSION FRONT (cont.)

Spring	Type	Torsion bar					
	Material	Chromium alloy steel					
	Size (coil design height & I.D.; bar length x dia.	40 x 0.99	40 x 0.97	40 x 0.99	40 x 1.01	44 x 0.98
	Spring rate (lb. per in.)	Not applicable				
	Rate at wheel (lb. per in.) (a)	115	110	115	125	110
	Design load (lb. @ design height)	Not applicable				
Stabilizer	Type (link, linkless, frameless)	None	Link	None	Link	
	Material & bar diameter	Where applicable, carbon steel 0.75				

STEERING

Manual (std., opt., NA)			Std.	NA	
Power (std., opt., NA)			Opt.	Std.	
Adjustable steering wheel (tilt, swing, other)	Type and description		Vertical tilt		
	(std., opt., NA)		Opt.		
Wheel diameter	Manual		16.0 x 16.8 oval	15.0 x 17.1 flat	
	Power		16.0 x 16.8 oval	15.0 x 17.1 flat	
Turning diameter	Outside front	Wall to wall (l. & r.)	46.5		
		Curb to curb (l. & r.)	43.1		
	Inside rear	Wall to wall (l. & r.)	25.6		
		Curb to curb (l. & r.)	26.3		
Outside wheel angle with inside wheel at 20°			18.8°		
Manual	Gear	Type	Worm and 3-tooth roller	--	
		Make	Chrysler	--	
		Ratios Gear	20.4	--	
		Ratios Overall	30.2	--	
	No. wheel turns		5.4	--	
Power	Type (coaxial, linkage, etc.)		Integral		
	Make		Chrysler		
	Gear	Type	Rack and sector		
		Ratios Gear	15.7		
		Ratios Overall	19.2		
	Pump driven by		Belt from crankshaft pulley		
	Number wheel turns		3.5		
Linkage	Type		Symmetrical idler arm, equal-length tie rods		
	Location (front or rear of wheels, other)		Rear		
	Drag link (trans. or longit.)		Transverse		
	Tie rods (one or two)		Two		

(a) Includes tires.

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-23-63 REVISED (•)

MODEL	VC1		VC2			VC3		
	Exc. 46	46	300	300 K Std.	300 K Opt.	Exc. 46	46	Salon

STEERING (cont.)

Steering Axis	Inclination at camber (deg.)		6.5° @ 0° camber						
	Bearings (type)	Upper	Ball joint						
		Lower	Ball joint						
		Thrust	Oil impregnated sintered metal						
Wheel alignment (range and preferred)	Caster (deg.)		Manual Steering: $-0.5^{\circ} \pm 0.5^{\circ}$ Power Steering: $+0.75^{\circ} \pm 0.5^{\circ}$ (a)						
	Camber (deg.)		Left: $+0.5^{\circ} \pm 0.25^{\circ}$, $+0.5^{\circ}$ preferred Right: $+0.25^{\circ} \pm 0.25^{\circ}$, $+0.25^{\circ}$ preferred						
	Toe-in (outside tread-inches)		3/32 to 5/32, 1/8 preferred						
Steering spindle & joint type			Ball socket						
Wheel spindle	Diameter	Inner bearing	1.25						
		Outer bearing	0.75						
	Thread size		3/4 - 16 UNF						
	Bearing type		Tapered roller						

SUSPENSION—REAR

Type and description			Outboard, parallel longitudinal leaf						
Drive and torq. taken through (see page 17)			Rear springs						
Spring	Type		Semi-elliptical, asymmetric						
	Material		Chromium alloy steel						
	Size (length x width, coil design height and I.D.; bar length & dia.)		60 x 2.5						
	Spring rate (lb. per in.)		95	125	95	125	90	125	90
	Rate at wheel (lb. per in.) (b)		120	150	120	150	115	150	115
	Design load (lb. at design height)		See chart below						
	Mounting insulation type		Rubber						
	If leaf	No. of leaves	6	7	6	7			
		Inserts: Type and size	(c)				(d)	(c)	(d)
		Inserts: Material	Front - plastic; rear - wax-impregnated fabric						
		Shackle (comp. or tens.)	Compression						
Stabilizer	Type (link, linkless, frameless)		None						
	Material		--						
Track bar type			None						

CHECKING LOAD @ -0.38" OPENING

Left side	760	1000	760	800	760	1000	800
Right side	720	960	720	800	720	960	760

(a) Maximum differential 0.75°, driver's side less positive.
(b) Includes tires.
(c) 3 @ 2.5", 4 @ 3.5".
(d) 4 @ 2.5", 4 @ 3.5".

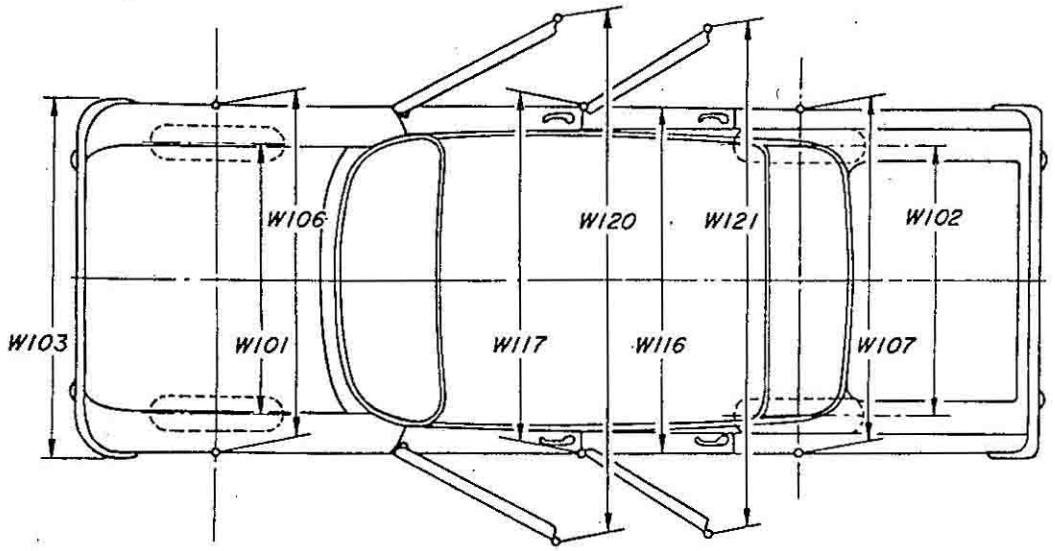
MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-23-63 REVISED (•)

CAR AND BODY DIMENSIONS—GENERAL

Dimensions herein are those adopted by the Society of Automotive Engineers. Brief descriptions of these dimensions are listed on pages 34-36. Complete definitions are listed in section E-1 of the SAE Aeronautical - Automotive Drawing Standards.
The dimensions are developed from the following basic points:

1. Body dimensions are for all body styles.
2. All interior dimensions are taken with manikin 15.0 inches outboard of car centerline unless otherwise stated.
3. All interior dimensions are measured with the front seat in the lowest and rearmost position.
4. Unless otherwise specified, all exterior height dimensions are taken with a full design load which consists of 5 passengers, 300 lbs. front, 450 lbs. rear; includes spare wheel, tire and tools, and full complement of gas, oil, water and tires to recommended pressure, etc.
5. The SAE manikin with 90th percentile leg length will be used for recording purposes.
6. The H Point is the pivot center of the manikin's torso and thigh.
7. The D Point is the point of tangency of a horizontal line and the lowest point of the manikin.
8. The Torso Line is a line parallel to the small of manikin's back and extending through the H Point.

EXTERIOR WIDTH DIMENSIONS

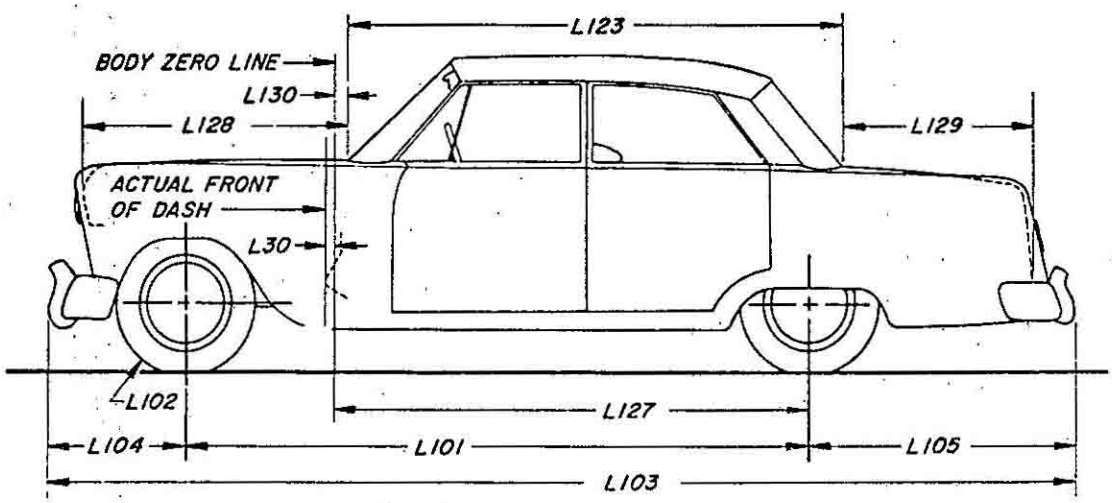


MODEL	Ref. No.	VC1			VC2		VC3	
		23, 27	41, 43	46	23, 27	43	41, 43	46
Tread - front	W101	61.0						
Tread - rear	W102	59.7						
Maximum overall car width	W103	80.0						
Maximum overall body width	W116	78.3		77.6	78.3			77.6
Maximum body width at #2 pillar	W117	77.5						
Front fender overall width	W106	77.6						
Rear fender overall width	W107	78.3		77.3	78.3			77.3
Maximum overall car width - front doors open	W120	167.5	151.5		167.5	151.5		
Maximum overall car width - rear doors open	W121	--	145.5		--	145.5		

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-23-63 REVISED(*)

EXTERIOR LENGTH DIMENSIONS

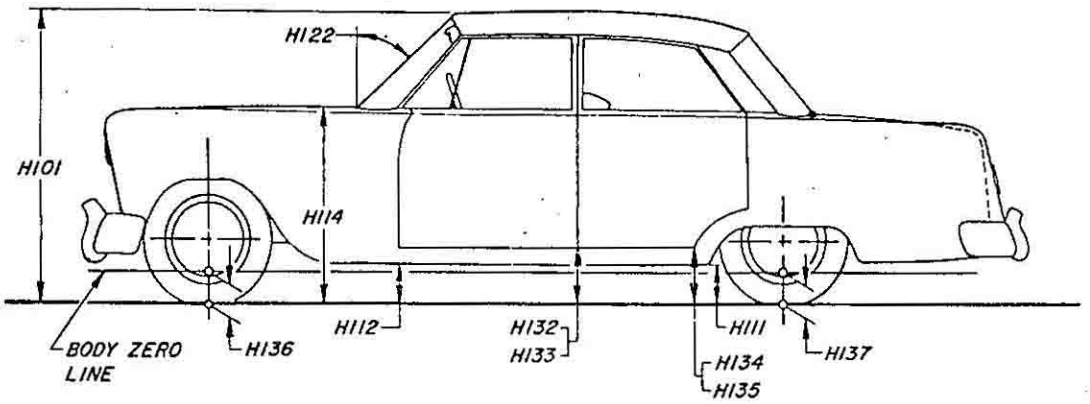


MODEL	Ref. No.	VC1		VC2	VC3	
		Exc. 46	46		Exc. 46	46
Body zero line to actual front of dash	L30	4.4				
Wheelbase	L101	122.0				
Overhang – front	L104	37.8				
Overhang – rear	L105	55.5	59.6	55.5		59.6
Overall length	L103	215.3	219.4	215.3		219.4
Hood length at car centerline	L128	55.4				
Body upper structure length at car centerline	L123	109.9	--	109.9		--
Deck length at car centerline	L129	43.1	--	43.1		--
Body zero line to centerline of rear wheels	L127	102.0				
Body zero line to windshield cowl point	L130	3.7				
Tire size	L102	8.00 x 14		8.00 x 14 (a)	8.50 x 14 (b)	8.50 x 14

(a) VC2-M 300 K with optional engine - 8.50 x 14.
(b) VC3-H-43 Salon - 9.00 x 14.

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-23-63 REVISED (•) 2-12-64

EXTERIOR HEIGHT DIMENSIONS

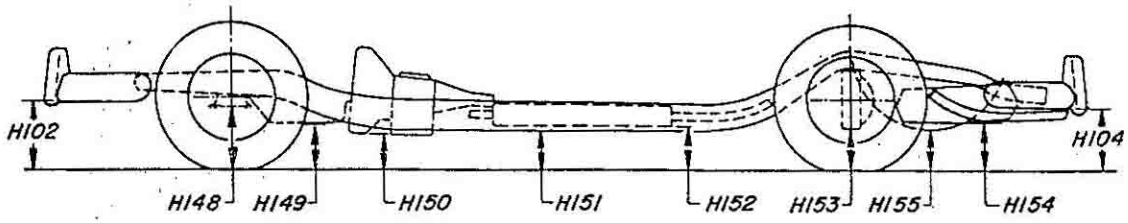


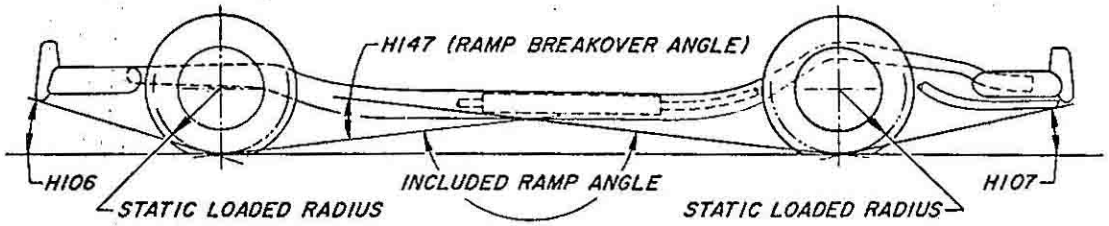
MODEL	Ref. No.	VC1				VC2			VC3		
		23	27	41 43	46	23	27	43	41 43	46	Salon
Overall height	H101	55.0	55.2	55.0	55.4	55.1	55.2	55.1	55.3	55.7	55.6 •
Hood at rear to ground	H114	39.2			39.8	39.3			39.5	40.0	39.8 •
Rocker panel to ground - front	H112	7.7			8.2	7.8			8.0	8.4	8.3 •
Rocker panel to ground - rear	H111	7.2			7.4	7.2			7.4	7.6	7.8 •
Bottom of door to ground, open - front	H132	12.3			12.7	12.4			12.6	12.9	•
Bottom of door to ground, closed - front	H133	11.3		11.7		11.4		11.5	11.7	12.0	12.0 •
Bottom of door to ground, open - rear	H134	NA									
Bottom of door to ground, closed - rear	H135	--		11.2	11.4	--		11.2	11.3	11.6	11.8 •
Windshield slope angle	H122	55.0°	50.5°	55.0°			50.5°	55.0°			
Body zero to ground - front	H136	13.33			13.95	13.38 (a)			13.57	14.17	13.88 •
Body zero to ground - rear	H137	12.45			12.52	12.51 (a)			12.72	12.77	13.08 •

(a) 300K - 13.46 front, 12.69 rear.

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-23-63 REVISED (•) 2-12-64

GROUND CLEARANCE DIMENSIONS



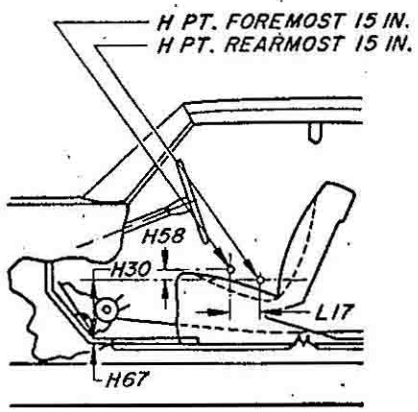


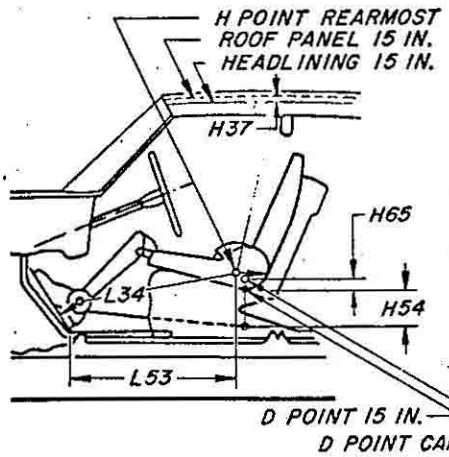
MODEL	Ref. No.	VC1		VC2	VC3			
		Exc. 46	46		Exc. 46	46	Salon	
Front bumper to ground	H102	11.6	12.4	11.6	11.6	12.6	11.9	•
Rear bumper to ground	H104	10.4	12.3	10.5	10.7	12.6	11.1	•
Angle of approach	H106	21.4°	22.6°	21.4°	21.8°	23.0°	22.4°	•
Angle of departure	H107	11.9°	12.5°	12.1°	12.3°	12.8°		•
Ramp breakover angle	H147	11.0°	11.6°	11.2°	11.4°	12.0°	11.4°	
Front suspension to ground	H148	7.1	7.7	7.1	7.3	8.0	7.6	•
Oil pan to ground	H149	6.4	6.9	6.5	6.7	7.1	7.0	•
Flywheel housing to ground	H150	7.9	8.4	7.8	8.1	8.6	8.4	•
Frame structure to ground	H151	5.8	6.3	5.9	6.1	6.5	6.4	•
Exhaust system to ground	H152	5.3	5.4		5.6	5.7	6.0	•
Rear axle differential to ground	H153	7.4	7.3	7.4	7.7	7.5	8.0	•
Fuel tank to ground	H154	7.5	9.6	7.5	7.7	9.8	8.1	•
Spare tire well to ground	H155	Not applicable						
Minimum running ground clearance	H156	5.3	5.4		5.6	5.7	6.0	•

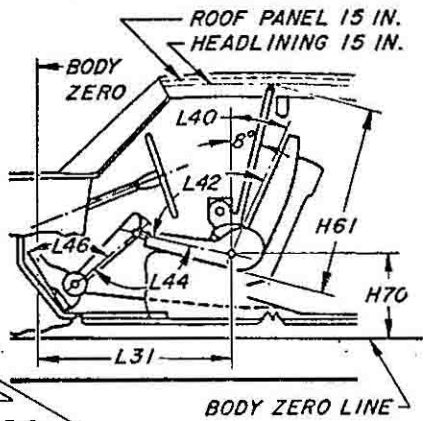
AMA Specifications—Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-26-63 REVISED (•)

FRONT COMPARTMENT DIMENSIONS





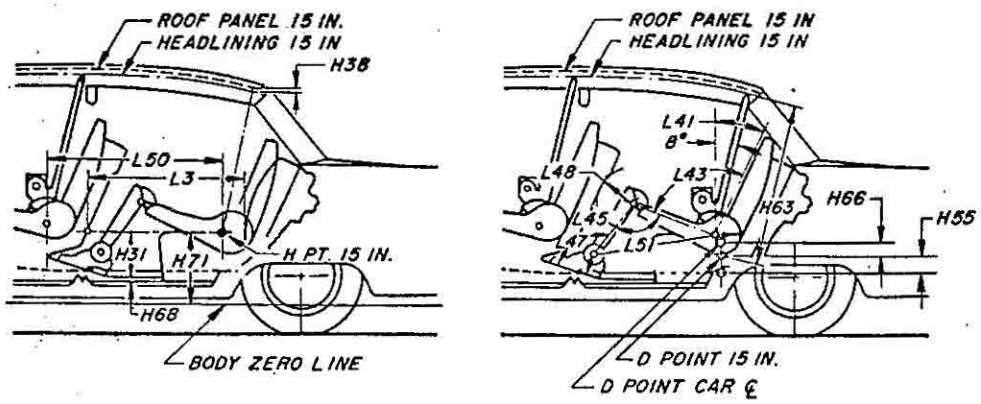


MODEL	Ref. No.	VC1			VC2		VC3	
		23, 41, 43	27	46	23, 43	27	41, 43	46
H Point to body zero line	L31	40.6			40.0		40.6	40.0
H Point to body zero line - front	H70	7.2						
Effective head room	H61	38.0	39.1	38.6	37.9	39.1	38.0	38.6
Headlining to roof height	H37	0.8	0	0.5	0.8	0	0.8	0.5
Maximum effective leg room - accelerator	L34	41.8			41.2		41.8	41.2
H Point to heel point	H30	9.0						
Depressed floor covering thickness	H67	0.38						
Back angle	L40	26°			24°		26°	24°
Hip angle	L42	99°			94°		99°	94°
Knee angle	L44	128°			124°		128°	124°
Foot angle	L46	89°			85°		89°	85°
D Point differential, side to center	H65	0.6			--		0.6	--
D Point to tunnel	H54	2.1			--		2.1	--
H Point to accelerator floor point	L53	34.0			33.4		34.0	33.4
H Point travel	L17	4.5						
H Point rise	H58	1.3			0.8		1.3	0.8

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-26-63 REVISED(•)

REAR COMPARTMENT DIMENSIONS

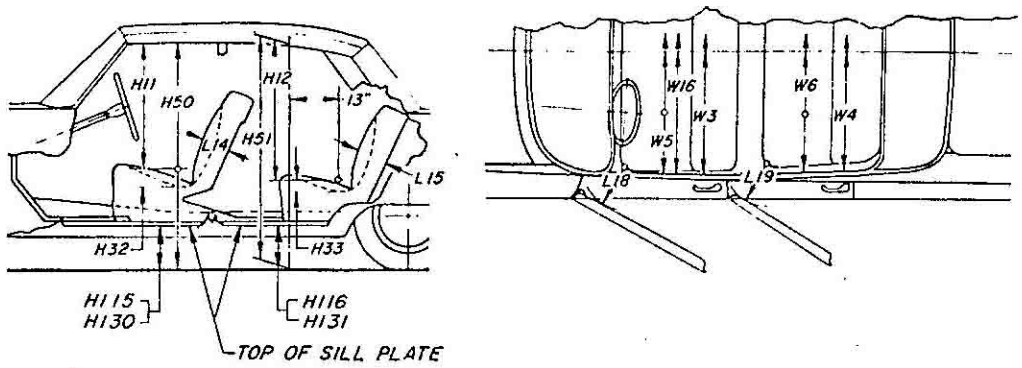


MODEL	Ref. No.	VC1			VC2		VC3	
		23, 41, 43	27	46	23, 43	27	41, 43	46
H Point couple distance	L50	36.2	32.6	36.6	36.8	33.2	36.2	37.2
H Point to body zero line – rear	H71	6.3	5.9	8.6	6.3	5.9	6.3	8.6
Effective head room	H63	37.9	37.8	37.5	37.9	37.8	37.9	37.5
Headlining to roof height	H38	0.8	0	0.5	0.8	0	0.8	0.5
Minimum effective leg room	L51	39.3	35.4	40.2	39.9	36.2	39.3	40.9
H Point to heel point	H31	10.9	10.5	13.2	10.9	10.5	10.9	13.2
Depressed floor covering thickness	H68	0.38						
Minimum knee room	L48	6.4	3.5	6.1	6.4	3.4	6.4	6.1
Rear compartment room	L3	29.3	26.3	29.1	29.8	26.6	29.3	29.1
Back angle	L41	23°						
Hip angle	L43	92°	82°	98°	94°	82°	92°	101°
Knee angle	L45	111°	95°	116°	117°	95°	111°	123°
Foot angle	L47	121°	111°	119°	124°	111°	121°	
D Point differential, side to center	H66	1.0		0.3	1.0			0.3
D Point to tunnel	H55	1.8	1.3	3.6	1.8	1.3	1.8	3.6

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-26-63 REVISED (•) 2-12-64

SEAT AND ENTRANCE DIMENSIONS



	Ref. No.	VC1			VC2		VC3			
		23, 41, 43	27	46	23, 43	27	41, 43	46	Salon	
Shoulder room – front	W3	60.3								
Hip room – front	W5	63.8								
Seat width – front	W16	57.0			23.7 (a)		57.0	23.7(a)	57.0	
Upper body opening to ground – front	H50	49.6 (b)	--	49.6	49.4	--	49.6(b)	49.9		•
Entrance height – front	H11	29.5 (c)	--	29.2			29.5(c)	29.2		
Step height – front (design load)	H115	13.3		13.7	13.3		13.5	14.0	13.9	•
Step height – front (curb load)	H130	14.9		15.5	15.2		15.2	15.7	15.5	•
Entrance foot clearance – front	L18	17.8								
Seat cushion deflection – front	H32	3.9		3.7			3.9	3.7	3.9	
Seat back thickness – front	L14	6.6		5.1			6.6	5.1	6.6	
Shoulder room – rear	W4	59.6								
Hip room – ream	W6	62.8	56.4	62.0	62.8	56.4	62.8	62.0	62.8	
Upper body opening to ground – rear	H51	46.5(d)	--	46.9	46.3	--	46.8 (g)	47.1	46.8	•
Entrance height – rear	H12	27.5(e)	--	25.3	27.2	--	27.5(e)	25.3	27.2	
Step height – rear (design load)	H116	13.0	--	13.3	13.1	--	13.3	13.5	13.6	•
Step height – rear (curb load)	H131	14.9	--	15.5	15.2	--	15.2	15.7	15.5	•
Entrance foot clearance – rear	L19	14.2 (f)	7.2	12.6	14.2 (f)	7.2	14.2	12.6	14.2	
Seat cushion deflection – rear	H33	3.9	3.2	3.8	3.9	3.2	3.9	3.8	3.9	
Seat back thickness – rear	L15	6.7	6.4	5.3	6.7	6.4	6.7	5.3	6.7	

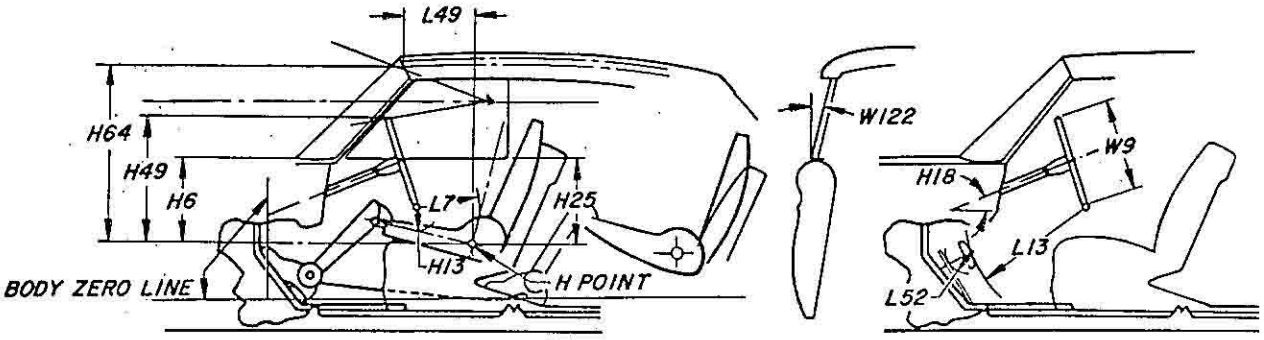
(a) Individual bucket seats. (b) Body models 23 and 43 - 49.3. • Form Rev. 5-63

(c) Hardtops 29.2 (d) Model 43 - 46.2 (e) Models 23 and 43 - 27.2. (f) Model 23 - 72.

(g) Model 43 - 46.5.

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-26-63 REVISED(•) 2-12-64

VISION AND CONTROL DIMENSIONS



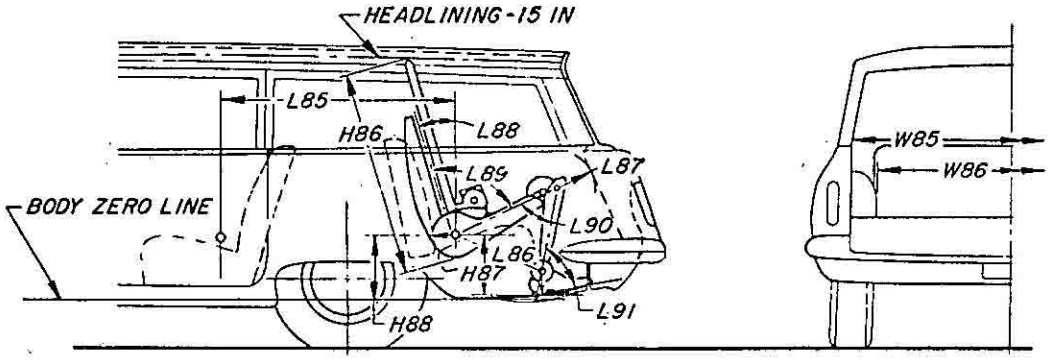
MODEL	Ref. No.	VC1	VC2	VC3	
				Exc. 46	46
H Point to windshield bottom DLO	H6	19.0			
H Point to windshield upper DLO	H64	32.9			
H Point to windshield upper DLO	L49	15.2			
Belt height – front	H25	16.7			
Steering wheel center to centerline of car	W7	16.1			
Steering wheel maximum outside diameter	W9	16.8		17.1	
Steering column angle – horizontal	H18	27°			
H Point to top of steering wheel	H49	23.2	23.1	23.2	23.1
Steering wheel torso clearance	L7	13.7	12.5	13.7	12.5
Steering wheel thigh clearance	H13	4.4	5.2	4.4	5.2
Brake pedal knee clearance	L13	24.3			
Brake pedal to accelerator	L52	3.6			
Tumble-home	W122	14.5°			

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-26-63 REVISED(•) 2-12-64

LUGGAGE COMPARTMENT

MODEL	Ref. No.	VC1		VC2		VC3		
		Exc. 27	27	23, 43	27	41	43	Salon
Usable luggage capacity (See instructions)		18.2		18.2		18.2		
Liftover height	H195	24.4		24.3		24.5		24.4
Position of spare tire storage		Horizontal on kick-up, left side (a)						
Method of holding lid open		Torsion bar						

THIRD SEAT DIMENSIONS



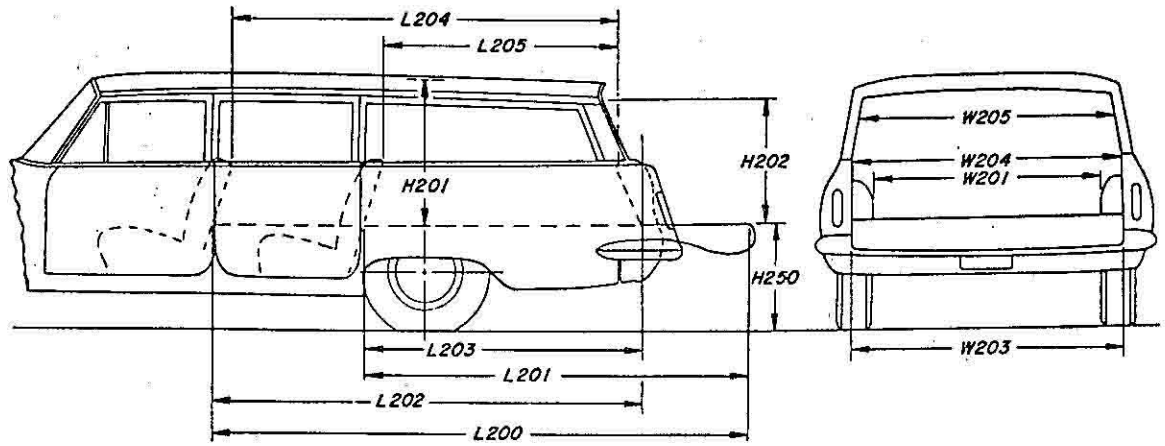
MODEL	Ref. No.	VC1, VC3 46
Seat facing direction		Rear
Shoulder room	W85	56.7
Hip room	W86	45.6
H Point couple distance	L85	41.8
H Point to body zero line - third seat	H88	10.9
Effective head room	H86	34.8
Effective leg room	L86	32.3
H Point to heel point	H87	15.6
Knee room	L87	9.5
Back angle	L88	22°
Hip angle	L89	91°
Knee angle	L90	78°
Foot angle	L91	94°

(a) Horizontal on floor, right side, for convertible coupes and for all models when equipped with dual air conditioning.

AMA Specifications—Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-26-63 REVISED (•) 2-12-64

STATION WAGON—CARGO SPACE DIMENSIONS



MODEL	Ref. No.	VC1	VC3
Floor length from back of front seat at floor level to end of lowered tail gate or floor	L200	121.3	
Floor length from back of second seat at floor level to end of lowered tail gate or floor	L201	86.0	
Floor length from back of front seat at floor level to inside of closed tail gate	L202	100.7	
Floor length from back of second seat at floor level to inside of closed tail gate	L203	65.4	
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	83.8	
Minimum horizontal distance from top rear of second seat back to inside of tail gate at belt	L205	50.5	
Maximum width of cargo space at floor - specify location	W200	62.0 (a)	
Minimum distance between wheel houses at floor level	W201	45.8	
Rear end opening width at floor	W203	48.6	
Rear end opening width at belt	W204	48.6	
Maximum width of rear opening above belt	W205	48.2	
Maximum height - floor covering to headlining at centerline of rear axle	H201	31.8	
Maximum height of rear opening - tail and lift gates open	H202	27.3	
Platform height from ground to top of tail gate floor covering at rear most edge of tail gate - curb weight	H250	26.8	27.1 •
Rear end closure (e.g., one piece door, hinged left - sliding glass, drop tail gate)		Sliding glass, drop tail gate	
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$		91.9	

(a) Immediately forward of wheelhouse.

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-26-63 REVISED (a)

MODEL	VC1					VC2			VC3			
	23	41	43	27	46	23	43	27	41	43	Salon	46

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front										
	Rear doors	Front										
Type of finish (lacquer, enamel, other)		Synthetic enamel										
Hood counterbalanced (yes, no)		Yes										
Hood release control (internal, external)		External										
Vehicle (Serial) No. Location		Left front door hinge pillar										
Engine No. Location		Not applicable										
Theft protection - type		Ignition key start, switch terminal block, door locks										
Vent window control method (crank, friction pivot)	Front	Friction pivot										
	Rear	None										
Seat cushion type	Front	FW				ZZ			FW			ZZ
	Rear	C	FW	C	FW	ZZ			C			ZZ
	3rd seat	--			C	--						C
Seat back type	Front	C				FW	C					
	Rear	FW		C								
	3rd seat	--			C	--						C
Windshield glass type (i.e., single curved - laminated plate)		Single curved, laminated plate										
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Single curved, tempered plate										
Side glass type (i.e., curved - tempered plate)		Flat, tempered sheet										
Side glass exposed surface area		1224	1052	1228	1137	2608	1224	1228	1137	1052	1228	2608
Windshield glass exposed surface area		1575										
Backlight glass exposed surface area		1262			1260	760	1262		1260	1262		760
Total glass exposed surface area		4061	3889	4065	3972	4943	4061	4065	3972	3889	4065	4943

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

Power windows	Side Windows	Opt.									Std.	Opt.
	Vent Windows	NA										
	Backlight or tailgate	--			Std.	--						Std.
Power seats (specify type as well as availability)		6-way				4-way			6-way			4-way
Reclining front seat back		--				Std.			--	Opt.	--	Std.
Front seat headrest		--				Opt.			--	Opt.	--	Opt.
Radios (specify type as well as availability)		Opt.: Push button, Search Tuner, or AM-FM										
Rear seat speaker		Opt. (Not on 46)										
Power Antenna		Opt., Rear (Not on 46)										
Clock		Opt. (a)							Std.			
Air Conditioner (specify type and availability)		Opt.: Front or dual units (b)									Std.	Opt. (b)

FW: Formed wire. ZZ: Zigzag. C: Coil.

(a) Standard for 300 K.

(b) Not available with manual transmission or manual steering.

AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1964 DATE ISSUED 8-26-63 REVISED (•) 2-12-64

WEIGHTS

Model		CURB WEIGHT - POUNDS Front	Rear	Total	% PASS. WEIGHT DISTRIBUTION Pass. In Front Front	Pass. In Front Rear	Pass. In Rear Front	Pass. In Rear Rear	SHIPPING * WEIGHT	
NEWPORT VC1-L										
2-Door Hardtop	23	2155	1765	3920	53.4	46.6	22.6	77.4	3760	•
Convertible Coupe	27	2190	1795	3985	53.4	46.6	22.6	77.4	3810	•
4-Door Sedan	41	2175	1785	3960	53.4	46.6	22.6	77.4	3805	•
4-Door Hardtop	43	2170	1805	3975	53.4	46.6	22.6	77.4	3795	•
HT Sta. Wag., 6-Pass.	46	2145	2155 ✓	4300	53.4	46.6	22.6	77.4	4175	•
HT Sta. Wag., 9-Pass.	46	2150	2200 ✓	4350	53.4	46.6	22.6	77.4	4200	
300 VC2-M										
2-Door Hardtop	23	2195	1820	4015	54.0	46.0	22.6	77.4	3830	•
Convertible Coupe	27	SAME	DIST. AS	NEWPORT					3900	•
4-Door Hardtop	43	2220	1860	4080	54.0	46.0	22.6	77.4	3845	•
300 K VC2-M										
2-Door Hardtop	23	2270	1825	4095	54.0	46.0	22.6	77.4	3965	•
Convertible Coupe	27	2300	1860	4160	54.0	46.0	22.6	77.4	3995	•
NEW YORKER VC3-H										
4-Door Sedan	41	2320	1905	4225	53.4	46.6	22.6	77.4	4015	
4-Door Hardtop	43	2325	1910	4235	53.4	46.6	22.6	77.4	4035	•
HT Sta. Wag., 6-Pass.	46	2290	2275	4565	54.0	46.0	22.6	77.4	4385	•
HT Sta. Wag., 9-Pass.	46	2290	2330	4620	54.0	46.0	22.6	77.4	4395	
NEW YORKER SALON VC3-H										
4-Door Hardtop	43	2560	1995	4555	53.4	46.6	22.6	77.4	4280	•

Accessories & Equipment Differential Weights				Remarks
Automatic Transmission	- 10	0	- 10	Newport, VC1, only.
Automatic Transmission	- 15	0	- 15	300, VC2, only.
Power Windows	+ 10	+ 10	+ 20	2-Door Hardtop and 4-Door Sedan; Not on Salon
Power Windows	+ 10	+ 15	+ 25	Conv. Cp., 4D HT, and St. Wagon; Not on Salon
Power Seats, Bench Type	+ 20	+ 15	+ 35	Not on 300 or New Yorker Station Wagon
Bucket Seats	+ 20	+ 20	+ 40	Std. on 300 and New Yorker Station Wagon
Auto Pilot	+ 10	0	+ 10	Not on 300 K
Air Conditioning - Single	+120	- 5	+115	Std. on Salon
- Dual	+135	+ 30	+165	
Radio	+ 10	0	+ 10	Std. on Salon
Heater	+ 20	+ 5	+ 25	Not on Salon
Power Steering	+ 40	0	+ 40	Std. on 300 K, New Yorker, and Salon
Power Brakes	+ 10	0	+ 10	Std. on 300 K, New Yorker, and Salon
Undercoat - Sedans	+ 10	+ 40	+ 50	Std. on New Yorker and Salon
- Sta. Wagon	+ 10	+ 35	+ 45	Std. on New Yorker

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

DIMENSION DEFINITIONS

W3 SHOULDER ROOM - FRONT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.

W4 SHOULDER ROOM - REAR. Measured in the same manner as W3.

W5 HIP ROOM - FRONT. The lateral dimension through H Point to trimmed surfaces.

W6 HIP ROOM - REAR. Measured in the same manner as W5.

W7 STEERING WHEEL CENTER TO CENTERLINE OF CAR. Measured horizontally from steering wheel center to centerline of car. The point at steering wheel center is located in the surface plane of wheel.

W9 STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. Define if other than round.

W16 SEAT WIDTH - FRONT. The maximum trimmed width of front seat cushion.

W85 SHOULDER ROOM - THIRD SEAT. Measured in the same manner as W3.

W86 HIP ROOM - THIRD SEAT. Measured in the same manner as W5.

W101 TREAD - FRONT. Measured at centerline of tires, with nominal camber, at ground.

W102 TREAD - REAR. Measured at centerline of tires at ground.

W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions.

W106 FRONT FENDER OVERALL WIDTH. Measured at centerline of front wheels, excluding moldings.

W107 REAR FENDER OVERALL WIDTH. Measured at centerline of rear wheels, excluding moldings.

W116 MAXIMUM OVERALL BODY WIDTH. Measured across body, excluding hardware and applied moldings, but including fenders when integral with body.

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. Measured with front doors in maximum hold-open position.

W121 MAXIMUM OVERALL CAR WIDTH, REAR DOORS OPEN. Measured in same manner as W120.

W122 TUMBLE-HOME. The angle from vertical to the front door glass outer surface or the chord of a curved door glass, measured at the front H Point station.

L3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at a height tangent to the top of rear seat cushion.

L7 STEERING WHEEL TORSO CLEARANCE. The minimum distance from the back edge of steering wheel, in straight-ahead position, to the Torso Line.

L13 BRAKE PEDAL KNEE CLEARANCE. The minimum dimension from the lower edge of the steering wheel to the brake pedal face centerline.

L14 SEAT BACK THICKNESS - FRONT. The maximum thickness of the seat back, excluding bolsters.

L15 SEAT BACK THICKNESS - REAR. Measured in the same manner as L14.

L17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.

L18 ENTRANCE FOOT CLEARANCE - FRONT. The minimum horizontal dimension between seat and normal line of door or pillar at a height between the sill plate bead and 4.0 inches above the bead. Door should be in the maximum hold-open position.

L19 ENTRANCE FOOT CLEARANCE - REAR. Measured in the same manner as L18 on four-door models. On two-door styles, the minimum dimension between rear corner of front seat, with front seat back tilted forward, and trimmed lock pillar, built-in quarter armrest panel, or rear seat cushion at a height between the sill plate bead and 4.0 inches above the bead.

L30 BODY 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.

L31 H POINT TO BODY ZERO LINE - FRONT. Horizontal dimension.

L34 MAXIMUM EFFECTIVE LEG ROOM - ACCELERATOR. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. Measured with the right foot on accelerator pedal.

L40 BACK ANGLE - FRONT. The angle between a vertical line through the H Point and the Torso Line.

L41 BACK ANGLE - REAR. Measured in the same manner as L40.

L42 HIP ANGLE - FRONT. The angle between Torso Line and a line extending from knee pivot center to H Point.

L43 HIP ANGLE - REAR. Measured in the same manner as L42.

L44 KNEE ANGLE - FRONT. The angle between a line from H Point to knee pivot center and a line from the knee pivot center to the ankle pivot center.

L45 KNEE ANGLE - REAR. Measured in the same manner as L44.

L46 FOOT ANGLE - FRONT. The angle between a line extended from the knee pivot center through the ankle pivot center and a line tangent to the sole and heel of manikin bare foot.

L47 FOOT ANGLE - REAR. Measured in the same manner as L46.

L48 MINIMUM KNEE ROOM - REAR. The minimum dimension from the knee pivot center to the back of front seat back.

L49 H POINT TO WINDSHIELD UPPER DLO. The horizontal dimension from H Point to the point of tangency of horizontal line of vision (described in dimension H64) with body upper structure.

DIMENSION DEFINITIONS (cont.)

L50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.

L51 MINIMUM EFFECTIVE LEG ROOM - REAR. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. Measured with the foot positioned to nearest interference between seat structure and toe, instep or lower leg.

L52 BRAKE PEDAL TO ACCELERATOR. The minimum dimension from center of brake pedal face to accelerator. Measured in the side view.

L53 H POINT TO ACCELERATOR FLOOR POINT. The horizontal dimension from intersection of accelerator and depressed floor covering to the H Point.

L85 H POINT COUPLE DISTANCE - THIRD SEAT. The horizontal dimension from the second seat H Point to the third seat H Point.

L86 EFFECTIVE LEG ROOM - THIRD SEAT. Measured in the same manner as L51. With rear-facing third seat,foot is positioned in foot well or to nearest interference with rear end or rear closure.

L87 KNEE ROOM - THIRD SEAT. Measured in the same manner as L48. With rear-facing third seat,dimension is measured to rear closure.

L88 BACK ANGLE - THIRD SEAT. Measured in the same manner as L40.

L89 HIP ANGLE - THIRD SEAT. Measured in the same manner as L42.

L90 KNEE ANGLE - THIRD SEAT. Measured in the same manner as L44.

L91 FOOT ANGLE - THIRD SEAT. Measured in the same manner as L46.

L101 WHEELBASE.

L102 TIRE SIZE.

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 theoretical intersection of extended windshield glass plane and normal cowl surface to the theoretical intersection of extended back window glass plane and normal deck surface; or in the case of a Fastback roof or Station Wagon, to back glass lower reveal molding, or rubber when molding is not used.

L127 BODY ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.

L128 HOOD LENGTH AT CAR CENTERLINE. The horizontal dimension from the foremost point on sheet metal hood surface, excluding series identification or ornamentation, to the theoretical intersection of extended windshield glass plane and normal cowl surface.

L129 DECK LENGTH AT CAR CENTERLINE. The horizontal dimension from the rearmost point of the body sheet metal (visible above bumper), excluding series identification or ornamentation, to the theoretical intersection of extended back window glass plane and normal deck surface.

L130 BODY ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from body zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

H6 H POINT TO WINDSHIELD BOTTOM DLO. Vertical dimension.

H11 ENTRANCE HEIGHT - FRONT. The vertical dimension from H Point to upper trimmed body opening.

H12 ENTRANCE HEIGHT - REAR. The vertical dimension from H Point to the upper trimmed body opening at a section 13.0 inches forward of the H Point.

H13 STEERING WHEEL THIGH CLEARANCE. The minimum dimension from the bottom of steering wheel, in straight-ahead position, to centerline of thigh.

H18 STEERING COLUMN ANGLE - HORIZONTAL. The angle the centerline of steering column makes with the horizontal.

H25 BELT HEIGHT - FRONT. The vertical dimension from H Point to bottom of side window DLO.

H30 H POINT TO HEEL POINT - FRONT. The vertical dimension from the H Point to the manikin accelerator heel point on the depressed floor covering.

H31 H POINT TO HEEL POINT - REAR. The vertical dimension from the H Point to the manikin heel point on the depressed floor covering.

H32 SEAT CUSHION DEFLECTION - FRONT. The vertical dimension from a point on the undepressed seat cushion to the depressed seat cushion. Measured at the H Point station.

H33 SEAT CUSHION DEFLECTION - REAR. Measured in the same manner as H32.

H37 HEADLINING TO ROOF HEIGHT - FRONT. The dimension from the intersection of the headlining and the extended effective head room line to the roof panel. Measured perpendicularly to the roof panel.

H38 HEADLINING TO ROOF HEIGHT - REAR. Measured in the same manner as H37.

H49 H POINT TO TOP OF STEERING WHEEL. The vertical dimension from the H Point to top of steering wheel, in straight-ahead position.

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.

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.

DIMENSION DEFINITIONS (cont.)

H54 D POINT TO TUNNEL - FRONT. The vertical dimension from the D Point, at car centerline, to top of tunnel.

H55 D POINT TO TUNNEL - REAR. Measured same manner as H54.

H58 H POINT RISE. The vertical dimension between the H Point in the most forward and rearward seat position.

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.

H63 EFFECTIVE HEAD ROOM - REAR. Measured same as H61.

H64 H POINT TO WINDSHIELD UPPER DLO. Vertical dimension from H Point to highest horizontal line of vision through windshield at 15 inch section.

H65 D POINT DIFFERENTIAL, SIDE TO CENTER - FRONT. Vertical dimension from side occupant to center occupant D Point.

H66 D POINT DIFFERENTIAL, SIDE TO CENTER - REAR. Measured in the same manner as H65.

H67 DEPRESSED FLOOR COVERING THICKNESS - FRONT. The vertical dimension from manikin accelerator heel point normally to underbody sheet metal immediately below heel point.

H68 DEPRESSED FLOOR COVERING THICKNESS - REAR. Measured same as H67.

H70 H POINT TO BODY ZERO LINE - FRONT. Vertical dimension.

H71 H POINT TO BODY ZERO LINE - REAR. Vertical dimension.

H86 EFFECTIVE HEAD ROOM - THIRD SEAT. Measured in the same manner as H61.

H87 H POINT TO HEEL POINT - THIRD SEAT. Measured in the same manner as H31.

H88 H POINT TO BODY ZERO LINE - THIRD SEAT. Vertical dimension.

H101 OVERALL HEIGHT. Measured with full design load.

H102 FRONT BUMPER TO GROUND. Minimum dimension

H104 REAR BUMPER TO GROUND. Minimum dimension.

H106 ANGLE OF APPROACH. The angle between the 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 interfering component, excluding license plate.

H107 ANGLE OF DEPARTURE. The angle between the 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 interfering component, excluding license plate.

H111 ROCKER PANEL TO GROUND - REAR. The vertical dimension from ground to bottom of rocker panel, exluding flanges. Measured at front of rear wheel opening.

H112 ROCKER PANEL TO GROUND - FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured at foremost point of rocker panel.

H114 HOOD AT REAR TO GROUND. Measured from hood opening line on shroud, exclusive of moldings.

H115 STEP HEIGHT - FRONT (DESIGN LOAD). The vertical dimension from top of sill plate bead, at C/L of front door sill plate, to ground.

H116 STEP HEIGHT - REAR (DESIGN LOAD). Measured in same manner as dimension H115.

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.

H130 STEP HEIGHT - FRONT (CURB LOAD). The vertical dimension from top of sill plate, at C/L of front door sill plate, to ground.

H131 STEP HEIGHT - REAR (CURB LOAD). Measured same as H130.

H132 BOTTOM OF DOOR TO GROUND, OPEN - FRONT. Measured from bottom outside corner of door with door in maximum hold-open position.

H133 BOTTOM OF DOOR TO GROUND, CLOSED - FRONT. Same point on door as H132 dimension, with door closed.

H134 BOTTOM OF DOOR TO GROUND, OPEN - REAR. Measured in same manner as H132.

H135 BOTTOM OF DOOR TO GROUND, CLOSED - REAR. Measured in same manner as H133.

H136 BODY ZERO TO GROUND - FRONT. A vertical dimension measured at front wheel centerline.

H137 BODY ZERO TO GROUND - REAR. A vertical dimension measured at rear wheel centerline.

H147 RAMP BREAKOVER ANGLE. 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.

H148 FRONT SUSPENSION TO GROUND. Minimum clearance from lower control arm inner shaft or lowest point on the car centerline.

H149 OIL PAN TO GROUND. Minimum clearance measured from sheet metal or drain plug.

H150 FLYWHEEL/CONVERTER HOUSING AND TRANSMISSION ASSEMBLY TO GROUND. Minimum clearance.

H151 FRAME STRUCTURE TO GROUND. Minimum clearance measured approximately midway between front and rear axles. In this measurement, cross bars and X-members shall be considered part of frame.

H152 EXHAUST SYSTEM TO GROUND. Minimum clearance. Specify location.

H153 REAR AXLE DIFFERENTIAL SYSTEM TO GROUND. Minimum clearance.

H154 FUEL TANK TO GROUND. Minimum clearance measured from sheet metal or drain plug, but excluding supports or straps.

H155 SPARE TIRE WELL TO GROUND. Minimum clearance.

H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

H195 LIFTOVER HEIGHT. Vertical dimension from luggage compartment lower opening to ground.

INDEX