

# AMA Specifications – Passenger Car

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<b>MANUFACTURER</b>	Chrysler-Imperial Division Chrysler Corporation	<b>CAR NAME</b>	Chrysler 300G
<b>MAILING ADDRESS</b>	Detroit 31, Michigan	<b>MODEL YEAR</b>	1961
		<b>ISSUED:</b>	9-28-60
		<b>REVISED (•)</b>	

**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 the standard model without optional equipment. Significant deviations are noted.
  - b. Specifications apply basically to 4-door sedan or equivalent.
  - c. 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.

2-DOOR HARDTOP, 4-PASS;	-	RC4-P-23
CONVERTIBLE COUPE, 4-PASS.	-	RC4-P-27

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## GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL	Additional Information Page No.:	300G	300G with Power Pack	
Wheelbase (L-101)	23	126.0		
Tread	Front (W-101)	61.2		
	Rear (W-102)	60.0		
Maximum Overall Dimensions	Length (L-103)	219.8		
	Width (W-103)	79.4		
	Height (H-101)	2-Door Hardtop - 55.6; Convertible - 56.0		
Transmission— (Specify trade name - opt., not available)	Manual	Optional	Standard	
	Overdrive	Not Available		
	Automatic	TorqueFlite - Std.	NA	
Axle ratio	Manual	3.23	3.15, 3.23, 2.93, 3.58, 3.73 (all optional) ●	
	Overdrive	---		
	Automatic	3.23	NA	
Tire size	16	8.00 x 15		
Engine	Type, no. cyl., valve arr.	OHV, V-8		
	Fuel system (Carb., other)	Two, 4-bbl Carburetors		
	Bore and stroke	4.18 x 3.75		
	Piston displ., cu.in.	413.0		
	Std. compression ratio	10:1 to 1		
	Max. bhp at engine rpm	375 @ 5000	400 @ 5200	
	Max. torque at rpm	495 @ 2800	465 @ 3600	

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 MODEL 300G

## ENGINE—GENERAL

Type, no. cyls., valve arr.		90° V-8, In-line, OHV
Bore and stroke (nominal)		4.18 x 3.75
Piston displacement, c.u. in.		413.0
Bore spacing (C/L to C/L)		4.8
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)		10.1
Cylinder Head Material		Cast Iron
Cylinder Sleeve—Wet, dry, none		None
Number of mounting points	Front	Two
	Rear	One
Engine installation angle		1.0° Right, 3.5° Up
Taxable horsepower $\frac{\text{Dia.}^2 \times \text{No. Cyl.}}{2.5}$		55.9
Published max. bhp* @ eng. RPM		Std.: 375 @ 5000, Opt.: 400 @ 5200
Published max. torque* (lb. ft. @ RPM)		Std.: 495 @ 2800, Opt.: 465 @ 3600
Recommended fuel regular - premium		Top Premium
Idle speed (spec. neutral or drive)	Manual	700 - 800
	Automatic	700 - 800

## ENGINE—PISTONS

Material	Aluminum Alloy
Description and finish	Slipper-type, Thermally-Controlled by Steel Struts, Elliptically Turned, Tin-Plated
Weight (piston only) oz.	27.5

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

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## POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first)
	Displ. cu. in.	Carburetor	Compr. Ratio	BPH @ RPM	Torque @ RPM		
PC4-P, 300G	413	Two 4-bbl (Ram)	10.1 to 1	375 at 5000	495 at 2800	TorqueFlite 3-Speed Automatic	3.23*
						Manual, 3-Speed	
				400 at 5200	465 at 3600	Manual, 3-Speed	3.15*, 3.23*, 2.93*, 3.58*, 3.73* (All Optional) ●
							*Also available with Sure-Grip Differential.



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## ENGINE PISTONS (Cont.)

Clearance (limits)	Top land		.042 - .048
	Skirt	Top	.0005 - .0015
		Bottom	---
Ring groove depth	No. 1 ring		.234
	No. 2 ring		.234
	No. 3 ring		.223
	No. 4 ring		None

## ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.		Comp.
	No. 2, oil or comp.		Comp.
	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			On Oil Ring Only, 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	None
Clearance	In piston	.00045 - .00075	
	In rod	.0007 - .0012 (Interference)	
Direction & amount offset in piston			.09 Right

## ENGINE—CONNECTING RODS

Material			Drop-forged Steel
Weight (oz.)			29.8
Length (center to center)			6.77
Bearing	Material & Type		Lead-base Babbitt on Steel; Removable, Precision Type
	Overall length		.927
	Clearance (limits)		.0005 - .0025
	End play		-.009 - .017 (2-Rods)

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## ENGINE—CRANKSHAFT

Material		Drop-Forged Steel		
Vibration damper type		Non-Adhesion Rubber Dynamic		
End thrust taken by bearing (No.)		#3 Center		
Crankshaft end play		.002 - .007		
Main bearing	Material & type		Lead-Base Babbitt on Steel; Removable, Precision Type (a)	
	Clearance		.0005 - .0015	
	Journal dia. and bearing overall length	No. 1	2.75 x .94	
		No. 2	2.75 x .94	
		No. 3	2.75 x 1.22	
		No. 4	2.75 x .94	
		No. 5	2.75 x .94	
		No. 6	None	
No. 7		None		
Dir. & amt. cyl. offset		None		
Crankpin journal diameter		2.375		

## ENGINE—CAMSHAFT

Location		Center of "V" Above Crankshaft		
Material		Hardenable Cast Iron, with Cams and Drive Gear for Distributor and Oil Pump Cast Integrally		
Bearings	Material	Lead-Base Babbitt on Steel		
	Number	5		
Type of Drive	Gear or chain		Chain	
	Crankshaft gear or sprocket material		High Manganese Steel	
	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)		Standard; Mechanical Lifters Optional	
Valve rotator, type (Intake, exhaust)		Low-Friction Lock on Exhaust	
Rocker ratio		1.5:1	
Operating tappet clearance (Indicate hot or cold)	Intake	Std: Hydraulic; Opt: .016 (cold)	
	Exhaust	Std: Hydraulic; Opt: .028 (cold)	
Timing marks on flywheel, damper, other		Stationary Indicator on Chain Case Cover	

(a) #3 Tin-Base Babbitt on Steel.

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## ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	Standard: 20	Optional: 25	
		Closes (°ABC)	" 68	" 79	
		Duration - deg.	" 268	" 284	
	Exhaust	Opens (°BBC)	" 60	" 74	
		Closes (°ATC)	" 28	" 30	
		Duration - deg.	" 268	" 284	
Valve opening overlap		" 48	" 55		
Intake	Material		Aluminized Steel		
	Overall length		4.868		
	Actual overall head dia.		2.08		
	Angle of seat & face		45°		
	Seat insert material		None		
	Stem diameter		.3725		
	Stem to guide clearance		.002 - .004		
	Lift		Std.: .430; Opt.: .449 (with zero lash)		
	Outer spring press. and length	Valve closed (lb. @ in.)	105 @ 1.86		
		Valve open (lb. @ in.)	205 @ 1.43		
	Inner spring press. and length	Valve closed (lb. @ in.)	None (Damper only)		
		Valve open (lb. @ in.)	" " "		
	Exhaust	Material		21-4N	
		Overall length		4.888	
Actual overall head dia.		Std.: 1.60 Opt.: 1.74			
Angle of seat & face		45°			
Seat insert material		None			
Stem diameter		.3715			
Stem to guide clearance		.002 - .004			
Lift		Std.: .430; Opt.: .454 (with zero lash)			
Outer spring press. and length		Valve closed (lb. @ in.)	105 @ 1.86		
		Valve open (lb. @ in.)	205 @ 1.43		
Inner spring press. and length		Valve closed (lb. @ in.)	None (Damper only)		
		Valve open (lb. @ in.)	" " "		

## 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

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MODEL	Standard		300G		With Power Pack		

## 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 30, SAE 20W-40, or SAE 10W-30 As Low As +10° F - SAE 20W, SAE 20W-40, or SAE 10W-30 As Low As -10° F - SAE 10W, SAE 10W-30, or SAE 5W-20 Below -10° F - SAE 5W or SAE 5W-20
Engine Service Requirement (MM, MS, etc.)	MS

## ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Std.: Dual with Crossover; Opt.: Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	Two, Reverse Flow
Exhaust pipe dia. (O.D.)	1.75 x .083
Exhaust pipe wall thickness	2.25 x .083
Tail pipe diameter (O.D. & wall thickness)	2.0 x .048

## ENGINE—FUEL SYSTEM

(See Supplement to Page 6 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.	Carburetor
Fuel Tank	23
Capacity (gals.)	Behind Rear License Plate
Filler location	Mechanical
Fuel Pump	Lower Right Front of Engine
Type (elec. or mech.)	4 - 5 psi
Locations	None
Pressure range	Plastic and Paper
Vacuum booster (std., optional, none)	Fuel Tank and Between Carburetor and Fuel Pump
Fuel Filter	Std.: AFB 2903S; Opt.: AFB 3084S
Type	Two 4-bbl, Downdraft
Locations	Primary 1-7/16; Secondary 1-11/16
Make & Model No.	Std.: Automatic; Opt.: Manual
Number of carbs., bbls. per carb. & type	Std.: Exhaust; Opt.: None
Barrel size	Paper Element, Replaceable
Choke type	---
Intake manifold heat control (exhaust or water)	
Air clnr. type	
Standard	
Optional	

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## ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure-Vent	
Radiator cap relief valve pressure		14 psi; 16 psi with Air Conditioning	
Circulation thermostat	Type (choke, bypass)	Choke, Pellet	
	Starts to open at (°F)	180	
Water pump	Type (centrifugal, other)	Centrifugal	
	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	1.75
	Upper	Number and type (molded, straight)	One, Molded
		Inside diameter	1.5
	By-pass	Number and type (molded, straight)	None
		Inside diameter	---
Fan	Number of blades & Spacing		Seven, 60° - 45° - 59° - 47° - 54° - 50° - 45°
	Diameter		18 without Air Cond.; 18.5 with Air Cond.
	Ratio-fan to crankshaft rev.		.95 without Air Cond.; 1.3 with Air Cond.
	Fan cutout type		Silent-Flite
	Bearing type		See Water Pump
*Drive belts (Indicate belt used by letter)	Fan		See Supplement to Page 7
	Generator		---
	Water Pump		---
	Power Steering		---
	Air Conditioning		---

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* Drive Belt Dimensions	See Supplement to Page 7
Angle of V	---
Nominal length (SAE)	---
Width	---

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**SUPPLEMENTARY INFORMATION**

MODEL 300G

Drive Belt Application

- |                          |                       |
|--------------------------|-----------------------|
| CS - Crankshaft          | AC - Air Conditioning |
| FWP - Fan and Water Pump | PS - Power Steering   |
| AL - Alternator          | IF - Fan Idler        |

	Standard	With AC
CS-FWP-AL	A	
CS-PS	B	B
CS-FWP-IF		C
CS-AL-AC		2D

Drive Belt Dimensions

	A	B	C	D
Angle of "V"				
Nominal Length, SAE	55.50	43.00	34.25	67.50
Width	0.38	0.50	0.38	0.47

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## ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model	Autolite 12-HB-70B or Willard MB-27-70		
	Voltage Rtg. & Total Plates	12, 78		
	SAE Designation & Amp Hr. Rtg	3SH, 70		
	Location	Under hood in left front fender shield		
	Terminal grounded	Negative		
Alternator <del>Generator</del>	Make	Chrysler		
	Model	2095060		
	Type	3-Phase, Full-Wave Rectifier		
	Ratio—Gen. to Cr/s rev.	2.32	1.52	
	Gen. cut-in (hot)—engine rpm	3.75	5.75	
Regulator	Make	Chrysler		
	Model	2095700		
	Type	Voltage only		
	Cutout relay	Closing voltage @ generator rpm	Not Applicable	
		Reverse current to open	Not Applicable	
	Regulated	Voltage	13.7 - 14.3	
		Current	Not Applicable	
	Voltage test conditions	Temperature	70F	
Load		15 min at 15 amp - Voltage Check		
Other		Not Applicable		

## ELECTRICAL—STARTING SYSTEM

Starting motor	Make	Chrysler		
	Model	1889200		
	Rotation (drive end view)	Clockwise		
	Engine cranking speed	Cold - 35 rpm; Hot - 150 rpm		
	Test conditions	Cold - SAE 5W - 20° F Hot - SAE 30 with completely warmed engine		
	Lock test	Amps	350	
		Volts	4	
		Torque (lb. ft.)	8.5	
	No load test	Amps	78	
		Volts	11	
RPM (min.)		3800		
Motor control	Switch (solenoid, manual)	Solenoid, Positive Engagement		
	Starting procedure	Manual Transmission: Depress accelerator about one-third, turn ignition key beyond "On" position. Automatic Transmission: Depress accelerator pedal about one-third, push in "N" Neutral button, turn ignition key beyond "On" position.		



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## ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Solenoid, Positive
	Pinion meshes (front, rear)		Front
	Number of teeth	Pinion	9
		Flywheel	172
Flywheel tooth face width		.375	

## ELECTRICAL—IGNITION SYSTEM

Coil	Make		Autolite or Essex (with Chrysler ballast resistor)	
	Model		Autolite - 200567; Essex - 67-160-3	
	Amps	Engine stopped	3.0	
Engine idling		1.9		
Distributor	Make		Autolite	
	Model		IBS-4011	
	Cent'igal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	0° @ 650 - 950	
		Intermediate points deg. @ rpm	0° - 8.5° @ 950	
			9° - 13° @ 1280	
		Max deg. @ rpm	18° - 22° @ 4800	
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	0° @ 7.2" - 8.9"	
		Intermediate points, deg @ in Hg	9° - 15° @ 12"	
			15° - 21° @ 14.5°	
	Breaker gap (in.)		.014 - .019	
Cam angle (deg.)		One Set Points - 27 to 32°, Both Set Points - 34 to 40°		
Breaker arm tension (oz.)		17 - 21.5		
Timing	Crankshaft deg. @ rpm.		5° BTC @ 500	10° BTC @ 500
	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		Autolite A32	Autolite A901 or Champion J79
	Thread (mm)		14 mm	
	Tightening torque (lb. ft.)		30 - 32	
	Gap		.035	
Cable	Conductor type		Resistor	
	Insulation type		Synthetic rubber with neoprene jacket   7-mm silicone with glass inner braid	
	Spark plug protector		Silicone	

## ELECTRICAL—SUPPRESSION

Locations & type	Resistance type spark plug and coil leads	7-mm silicone with glass inner braid
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## ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	Stewart Warner
	Trip odometer (yes, no)	No
Charge indicator—type		Ammeter
Temperature indicator—type		Electric, Thermal
Oil pressure indicator—type		Electric, Thermal
Fuel indicator—type		Electric, Thermal
Other	Tachometer	Mechanical, Boudon Wire
Ignition switch	Identify positions in order and circuits controlled	Center Position - Off 1st Position Clockwise - Ignition & Accessory Circuit Only 2nd Position Clockwise - Starter & Ignition Circuit Only 1st Position Counterclockwise - Accessory Circuit Only
	Provision for illumination	Individual Lamp
	Location	Right of Steering Column
Main lighting switch	Identify positions and lights controlled	Full In Position - Off 1st Position Out - Instrument, Tail, Parking and License Plate Lamps Full Out Position - Instrument, Tail, Head and License Plate Lamps
	Locations and lamps controlled	Instrument Lamp Rheostat Control - Concentric with Head Lamp Switch, Variable all Instruments; Dome Lamp - Manual Switch on Instrument Panel, Automatic Door Switch - Each Door; Stop Lamp Switch - In Master Cylinder; Directional Signal Switch - Lever on Instrument Panel
Other switches	Locations and devices controlled	Windshield Wiper Switch - Variable Speed, Left of Steering Column Heater Control - Two-Speed by Push Buttons Right of Steering Column Defroster Control - Push Button Right of Steering Column, Air Vent Control - Push Button Right of Steering Column, Map Light Switch - Center of Instrument Cluster.
Windshield wiper	Make	Autolite
	Type	Electric
	Vacuum booster provision	None
	Washer provision	Standard
Horn	Type	Sea Shell
	Number used	2
	Amp draw (each)	9-10

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## ELECTRICAL—LAMP BULBS

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

Headlamps & arrangement		Dual Canted; 2-4001, 2-4002
Headlamp beam indicator		1-57
Parking		2-1034 (a)
Tail		2-1034 (b)
Stop		2-1034 (b)
Direction signal	Front	2-1034 (a)
	Rear	2-67
	Indicator	2-57
License plate		1-67
Instrument		Electroluminescence
Ignition lock		1-1816
Back up		2-1073 (c)
Dome		1-1004
Clock		Electroluminescence
Radio		Electroluminescence*
Glove compartment		1-1841
Speedometer		Electroluminescence
Trans. Control		1-1816 (TorqueFlite only)
Handbrake Indicator		1-1816
Map		1-1004
Courtesy Lamp		1-90
Trunk Lamp		1-1004
Heater Control		1-1816*
Tachometer		Electroluminescence
Ash Receiver		1-53
Under-hood		1-1004*

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- (a) Integral Units
- (b) Integral Unit, Double-filament bulb
- (c) Not available with manual transmission.

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**ELECTRICAL—FUSE & CIRCUIT BREAKER DATA**

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

Headlamp	22.5 CB (A)
Headlamp beam indicator	Same as (A)
Parking light	15 CB (B)
Tail light	Same as (B)
Stop light	Same as (B)
Direction indicator	None
License plate light	Same as (B)
Instrument light	Same as (B)
Ignition light	Same as (B)
Back up light	SFE-6 (a)
Domé light	SFE-6 (C)
Clock	SFE-1
Clock light	Same as (B)
Radio	SFE-7.5
Glove compartment light	Same as (C)

(See Supplement to Page 12 for additional listing)

**ELECTRICAL—LOCATION OF OUTSIDE LAMPS**

Height above ground to center of bulb	Tail	Lowest	---
		Highest	23.1
	Stop		23.1
	Backup		33.6
	License, rear		25.55
	Directional	Front	22.40
		Rear	23.1
	Headlamp	Inside	25.1
		Outside*	30.4
	Tail	Inside	---
		Outside	31.85
	Stop		31.85
		Backup	
	License, rear		0 (on Center Line)
		Directional	Front
	Headlamp	Rear	31.85
		Inside	26.18
		Outside*	30.54

\* If single headlamps are used enter here.

(a) Not available with manual transmission.

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## FUSE & CIRCUIT BREAKER DATA SUPPLEMENTARY INFORMATION

MODEL	300G
Trunk Compartment Light	Same as (c)
Map Light	Same as (c)
Windshield Wiper	6 CB
Window Lift	30 CB
Electric Seat Adjuster	40 CB
Top Lift	30 CB
Heater	SFE-20
Front Air Conditioner	SFE-20
Rear Air Conditioner	SFE-20
Rear Window Defroster	SFE-6
Cigar Lighter (Front)	SFE-14
Mirror-Matic	SFE-2
Power Antenna	8 CB
Cigar Lighter	AGC-10

# AMA Specifications – Passenger Car

**MAKE OF CAR** CHRYSLER 300G      **MODEL YEAR** 1961      **DATE ISSUED** 9-28-60      **REVISED** (\*)  
**MODEL** 300G

## DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	Borg & Beck, Dry, Semi-Centrifugal	
Type pressure plate springs	Coil	
Effective plate pressure (lb.)	2200	
No. of clutch driven discs	One	
Clutch facing	Material	Molded Woven Asbestos
	Outside & inside dia.	11.0 x 6.5
	Total eff. area (sq.in.)	123.8
	Thickness	.125
	Engagement cushioning method	Flat Springs, Crimped
Release bearing	Type & method of lubrication	Ball, Permanent
Torsional damping	Methods: springs, friction material	Coil Springs

## DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	Optional
Manual with overdrive (std. or opt.)	Not Available
Automatic (std. or opt.)	Std. - TorqueFlite

## DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds	Three		
Transmission ratios	In first	2.55	
	In second	1.49	
	In third	1.00	
	In fourth	---	
	In reverse	3.34	
Synchronous meshing, specify gears	2nd and 3rd		
Shift lever location	On Floor		
Lubricant	Capacity (pt.)	4.25	
	Type recommended	Multipurpose	
	SAE viscosity number	Summer	SAE 90
		Winter	SAE 80-90
Extreme cold		SAE 80-90	

MAKE OF CAR CHRYSLER 300G MODEL YEAR 1961 DATE ISSUED 9-28-60 REVISED \_\_\_\_\_  
 MODEL \_\_\_\_\_ 300G

## 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		---
Lu- bri- cant	Capacity (pt.) (Overdrive only)		---
	Separate filler (yes, no)		---
	Type recommended		---
	SAE vis- cosity number	Summer	---
		Winter	---
Ext. cold		---	

## DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	TorqueFlite															
Type describe	3-Speed Automatic with Torque Converter															
Method of Selection (Lever, Push Button or other)	Push Button															
Selector Pattern	Aligned horizontally on Instrument Panel, Left of Steering Column															
List gear ratios Selector Pattern and indicate which are used in each selector position	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>R</td> <td>Reverse</td> <td>2.2</td> </tr> <tr> <td>N</td> <td>Neutral</td> <td>---</td> </tr> <tr> <td>D</td> <td>1-2-Drive</td> <td>2.45 - 1.45 - 1.00</td> </tr> <tr> <td>2</td> <td>1-2</td> <td>2.45 - 1.45</td> </tr> <tr> <td>1</td> <td>1</td> <td>2.45</td> </tr> </table>	R	Reverse	2.2	N	Neutral	---	D	1-2-Drive	2.45 - 1.45 - 1.00	2	1-2	2.45 - 1.45	1	1	2.45
R	Reverse	2.2														
N	Neutral	---														
D	1-2-Drive	2.45 - 1.45 - 1.00														
2	1-2	2.45 - 1.45														
1	1	2.45														
Max. upshift speeds—drive range	80															
Max. kickdown speeds—drive range	70															
Torque convertor	Number of elements	Three														
	Max. ratio at stall	2.2 @ 2025														
	Type of cooling (air, water)	Water														
Lubricant	Capacity—refill (pt.)	22														
	Type recommended	Automatic Transmission Fluid - Type A, Suffix A														
Special transmission features	Spring-loaded hydraulic valve to prevent accidental reverse engagements															

# AMA Specifications – Passenger Car

**MAKE OF CAR** CHRYSLER 300G      **MODEL YEAR** 1961      **DATE ISSUED** 9-28-60      **REVISED (a)** 12-8-60  
**MODEL** 300G

## DRIVE UNITS—PROPELLER SHAFT

Number used		One
Type (exposed, torque tube)		Exposed
Outer diameter x length* x wall thickness	Manual transmission	3.25 x 59.21 x .065
	Overdrive transmission	Not Applicable
	Automatic transmission	3.25 x 59.21 x .065
Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	---
Universal joints	Make	Detroit Universal
	Number used	Two
	Type (ball and trunnion, cross, other)	Front: Ball and Trunnion Rear: Cross
	Bearing	Type (plain, 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 - (incl. limited slip differential)		<b>Standard:</b> Semi-floating, hypoid, 2-pinion differential <b>Sure-Grip:</b> Semi-floating, hypoid, 4-pinion cam-operated clutches limit differential action	
Drive Pinion Offset		1.5	
No. of differential pinions		Std.: - 2, Sure-Grip - 4	
Gear ratio and No. of teeth	Manual transmission	3.15 (41-13), 3.23 (42-13), 2.93 (41-14), 3.58 (43-12), 3.73 (41-11) (a)	
	Overdrive transmission	---	
	Automatic transmission	3.23 (42-13) (a)	
Ring gear pitch diameter & O.D.		8.75	
Pinion adjustment (shim, other)		Solid Shim (Washer)	
Pinion bearing adj. (shim, other)		Shims	
Wheel-bearing type		Tapered Roller Bearing	
Lubricant	Capacity (pt.)	4.0	
	Type recommended	(b) Multipurpose Gear Lubricant of API Service GL-4	
	SAE viscosity number	Summer	Above -10°F: SAE 90
		Winter	Below -10°F: SAE 80
Extreme cold		Below -30°F: SAE 75	

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

- (a) Sure-Grip available as Special Equipment using this same ratio.
- (b) When equipped with Sure-Grip Differential, use only MoPar Sure-Grip differential lubricant.



# AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER 300G MODEL YEAR 1961 DATE ISSUED 9-28-60 REVISED (a)  
 MODEL 300G

## DRIVE UNITS—WHEELS

Type & material		Disc, Pressed Steel
Rim (size and flange type)		15 x 6K
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.5
	Number and size	Five, 1/2 - 20NF

## DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	8.00 x 15, 6 Ply
	Type - Nylon, etc.	Nylon
Rev/mile at 30 mph.		721
Inflation press.(cold)	Front	24
	Rear	24

## BRAKES—SERVICE

Type (duo-servo, balanced, self adjusting, etc.)		Hydraulic, Internal-Expanding, Contoured Variable-Depth Web, 3-Platform Total-Contact Brake Shoes		
Power brake make & type (remote, integral, etc.)		Pedal-Assist, Vacuum - Standard		
Effective area (sq. in.)*		251		
Gross lining area (sq. in.)**		251		
Swept drum area (sq. in.)***		377		
Percent brake effectiveness—front		60		
Drum	Diameter	Front	12	
		Rear	12	
Type and material		Centrifuse		
Bonded or riveted		Bonded		
Brake lining	Front Shoe	Material	Molded Asbestos	
		Size (length x width x thickness)	Front wheel	12.6 x 2.5 x 0.20
			Rear wheel	12.6 x 2.5 x 0.20
	Segments per shoe		One	
	Rear Shoe	Material	Molded Asbestos	
		Size (length x width x thickness)	Front wheel	12.6 x 2.5 x 0.20
Rear wheel			12.6 x 2.5 x 0.20	
Segments per shoe		One		
Wheel cylinder bore	Front	1.125		
	Rear	1.125		
Master cylinder bore		1.125		
Available pedal travel		4.63		
Line pressure at 100 lb. pedal load		1210 psi		
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.



# AMA Specifications--Passenger Car

MAKE OF CAR	CHRYSLER 300G	MODEL YEAR	1961	DATE ISSUED	9-28-60	REVISED
MODEL	300G		Automatic Transmission	Manual Transmission		

## BRAKES—PARKING

Type of control	Foot Operated, Multiple Pawl Ratchet		
Location of control	Under Instrument Panel, Left of Steering Column		
Operates on	Transmission Output Shaft		
If separate from service brakes	Type (internal or external)	Internal	External
	Drum diameter	7	6
	Lining size (length x width x thickness)	2 Shoes, Each 6.53 x 2.0 x 0.16	16.68 x 2.0 x 0.16

## FRAME or UNITIZED CONSTRUCTION

Type and description	Unit Construction
----------------------	-------------------

## SUSPENSION—GENERAL (See Supplemental page 17 for details on Air Suspension)\*

Provision for car leveling	Mechanical, by manual adjustment of torsion bar rear anchor bolt - Front only	
Provision for brake dip control	By inclined front upper control arms and unsymmetrical rear springs	
Provision for acc. squat control	Unsymmetrical rear springs	
Special provisions for car jacking	None	
Shock absorber front & rear	Type	Direct
	Make	Own
	Piston dia.	1.38
Other special features	Front torsion bars are combined with outboard-mounted highly unsymmetrical semi-elliptical rear leaf springs	

## SUSPENSION—FRONT

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

(Continued)

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

# AMA Specifications – Passenger Cars

MAKE OF CAR CHRYSLER 300G MODEL YEAR 1961 DATE ISSUED 9-28-60 REVISED \_\_\_\_\_  
 MODEL \_\_\_\_\_ 300G

## SUSPENSION FRONT (cont.)

<b>Spring</b>	Type	Torsion Bar
	Material	Chromium Alloy Steel
	Size (coil design height & I.D.; bar length x dia.)	44 x 1.08
	Spring rate (lb. per in.)	Not Applicable
	Rate at wheel (lb. per in.)	175
	Design load (lb. @ design height)	Not Applicable
<b>Stabilizer</b>	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel - .82

## STEERING

Mechanical (std., opt., NA)		Not Available		
Power (std., opt., NA)		Standard		
Wheel diameter		16.78 x 16.02		
<b>Turning diameter</b>	Outside front	Wall to wall (l. & r.)	49.6	
		Curb to curb (l. & r.)	46.6	
	Inside rear	Wall to wall (l. & r.)	29.8	
		Curb to curb (l. & r.)	30.0	
Outside wheel angle with inside wheel at 20°		18° 44'		
<b>Mechanical</b>	Gear	Type	---	
		Make	---	
		Ratios	Gear	---
			Overall	---
	No. wheel turns	---		
<b>Power</b>	Type (coaxial, linkage, etc.)		Integral	
	Make		Own	
	Trade name		Constant-Control	
	Gear	Type	Rack and Sector	
		Ratios	Gear	15.7
			Overall	19.4
	Pump driven by		Belt from C/S Pulley	
	Number wheel turns		3.5	
	<b>Linkage</b>	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		

(Continued)

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# AMA Specifications – Passenger Car

**MAKE OF CAR** CHRYSLER 300G      **MODEL YEAR** 1961      **DATE: ISSUED** 9-28-60      **REVISED**  
**MODEL** 300G

## STEERING (cont)

<b>Steering Axis</b>	Inclination at camber (deg.)		6-1/2 @ 0°
	Bearings (type)	Upper	Ball joint
		Lower	Ball joint
		Thrust	Oil impregnated, Sintered Metal
Wheel alignment (range and preferred)	Caster (deg.)		Power Steering: +3/4° ± 1/2°
	Camber (deg.)		Left: +1/2° +1/4° (Prefer +1/2°) Right: +1/4° ± 1/4° (Prefer +1/4°)
	Toe-in (outside tread-inches)		3/32 to 5/32 (Prefer 1/8)
Steering spindle & joint type			Ball Sockets
Wheel spindle	Diameter	Inner bearing	1.25
		Outer bearing	0.75
	Thread size		3/4 - 16 NF
	Bearing type		Tapered Roller

## SUSPENSION—REAR

Type and description			Outboard, parallel, longitudinal	
Drive and torq. taken through (see page 15)			Rear Springs	
Spring	Type		Leaf	
	Material		Steel	
	Size (length x width, coil design height and I.D.; bar length & dia.)		60 x 2.5	
	Spring rate (lb. per in.)		130 - 140	
	Rate at wheel (lb. per in.)		190	
	Design load (lb. at design height)		R: 650, L: 700 @ -.375	
	Mounting insulation type		Rubber	
	If leaf	No. of leaves		7
		Inserts	Type and size	4 @ 2.5 x 2.5; 4 @ 3.5 x 2.5
			Material	Front: Plastic; Rear: Wax Impregnated Fabric
Shackle (comp. or tens.)		Compression		
Stabilizer	Type (link, linkless, frameless)		None	
	Material		---	
Track bar type			None	

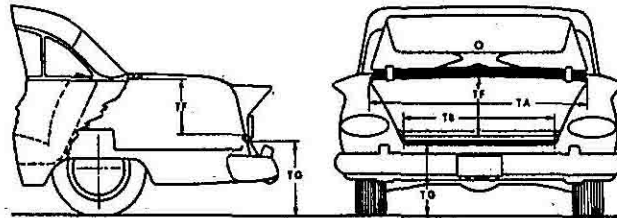
MAKE OF CAR CHRYSLER 300G MODEL YEAR 1961 DATE ISSUED 9-28-60 REVISED \_\_\_\_\_

## BODY—GENERAL DEFINITIONS

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

1. Body Dimensions are for all basic body models as indicated.
2. All interior dimensions are taken 15" outboard of car centerline (C/L) unless otherwise stated.
3. Front and rear seat free "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
4. Depressed "A" point is the lowest point on the seat cushion depressed contour.
5. Front seat is in full down and normal rear position.
6. 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.
7. DLO (Daylight opening - pages 22 & 24).
8. For further clarification of definitions see SAE Aeronautical—Automotive Drawing Standards, Section E-1.

## BODY—TRUNK DIMENSIONS

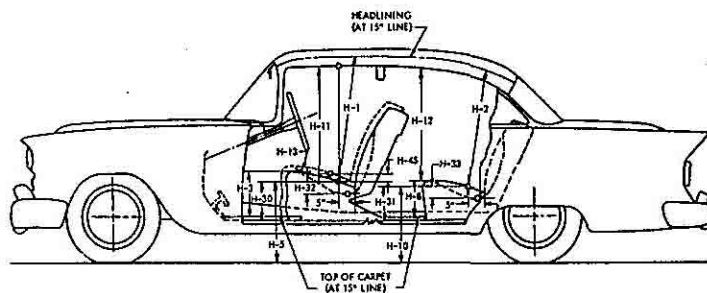


MODEL	2-Door Hardtop	Convertible Coupe
Usable trunk luggage capacity (See Section E-1 of SAE Automotive Drawing Standards)	18.4	13.4
Total trunk volume in cu. ft. with spare tire in place	34.1	31.1
TA—Width across the top	57.4	
TB—Width across the bottom	50.0	
TF—Vertical dimension at C/L from bottom to top of opening	9.1	
TG—Vertical height from ground to trunk lower opening (normal surface of outside sheet metal - loaded)	27.00	
Position of spare tire stowage	Horizontal, Left Side of Trunk	
Method of holding lid open	Torsion Bar	

# AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER 300G MODEL YEAR 1961 DATE ISSUED 9-28-60 REVISED \_\_\_\_\_

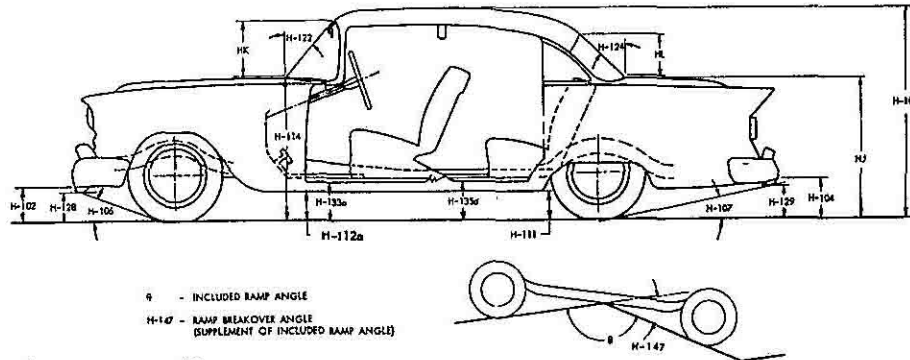
## BODY—HEIGHT DIMENSIONS—INTERIOR



MODEL	300G	2-Door Hardtop	Convertible Coupe
H1. Front headroom. Free "A" pt. to headlining at 8° back of vertical. (For "A" pt. see note 3, page 20)		33.3	34.6
H2. Rear headroom. Free "A" pt. to headlining at 8° back of vertical		33.5	34.8
H3. Front cushion height above floor carpet at front edge of cushion. (Ignore risers)			11.9
H5. Free "A" pt. to ground, front. Measured vertically			20.6
H8. Rear cushion height above floor carpet at front edge of cushion. (Ignore risers)			11.7
H10. Free "A" point to ground rear. Measured vertically			18.6
H11. Entrance, front. Free "A" point to bottom of windcord, vertical			28.4
H12. Entrance, rear. Top of cushion to bottom of windcord at front edge of rear seat			---
H13. Steering wheel clearance to seat cushion taken on arc (wheel turned for min. clearance)			5.5
H30. Free "A" point reference height, front. Vertical dimension to SAE horizontal reference line			10.0
H31. Free "A" point reference height, rear. Vertical dimension to SAE horizontal reference line			7.9
H32. Front seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point			4.5
H33. Rear seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point			4.5
H45. Front seat maximum vertical rise at free "A" point			1.3

MAKE OF CAR CHRYSLER 300G MODEL YEAR 1961 DATE: ISSUED 9-28-60 REVISED (\*)

**BODY—HEIGHT DIMENSIONS—EXTERIOR**



NOTE: For dimensions to lamps see page 12.

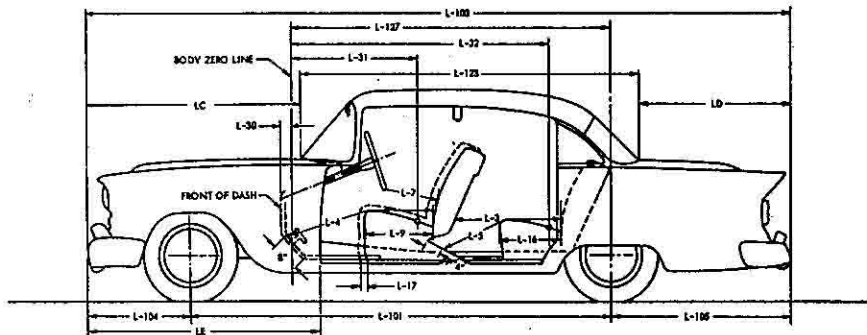
MODEL	2-Door Hardtop	'Convertible
H101. Overall height, full design load	55.6	56.0
HB. Overall height, curb weight	57.1	57.4
H102. Front bumper bottom to ground at normal section, min. height		11.2
H104. Rear bumper bottom to ground at normal section, min. height		11.1
H106. Angle of approach. To interfering point on bumper, guard, other		17.8
H107. Angle of departure. To interfering point on bumper, guard, other		10.7
H111. Body Sill to Ground-Rear. Vertical dimension measured from bottom of body sill (rocker panel), excluding any flanges, to ground at front of rear wheel opening.		7.0
H112a. Body Sill to Ground-Front. Measured vertically at foremost point of body sill (rocker panel), excluding flanges and front fender.		7.8
H114. Hood at rear to ground. Vertical dimension C/L, excluding molding, at hood opening line at cowl		39.9
H122. Windshield normal slope angle to vertical line on car C/L	55°	50.5
H124. Backlight normal slope angle to vertical line on car C/L	60°	61°
H128. Bottom of front bumper guard to ground		---
H129. Bottom of rear bumper guard to ground		---
H133a. Bottom of front door to ground, min. dimension		12.1
H135a. Bottom of rear door to ground, min. dimension		---
H147. Ramp breakover angle		13.5°
H153. Min. road clearance at rear axle		8.1
H156. Min. road clearance and location		6.3
HJ. Deck at rear window to ground		38.3
HK. Windshield DLO*. Vertical height at C/L		14.7
HL. Back light DLO*. Vertical height at C/L	13.6	12.1

\* See Note, page 20

# AMA Specifications—Passenger Car

MAKE OF CAR CHRYSLER 300G MODEL YEAR 1961 DATE: ISSUED 9-28-60 REVISED \_\_\_\_\_

## BODY—LENGTH DIMENSIONS



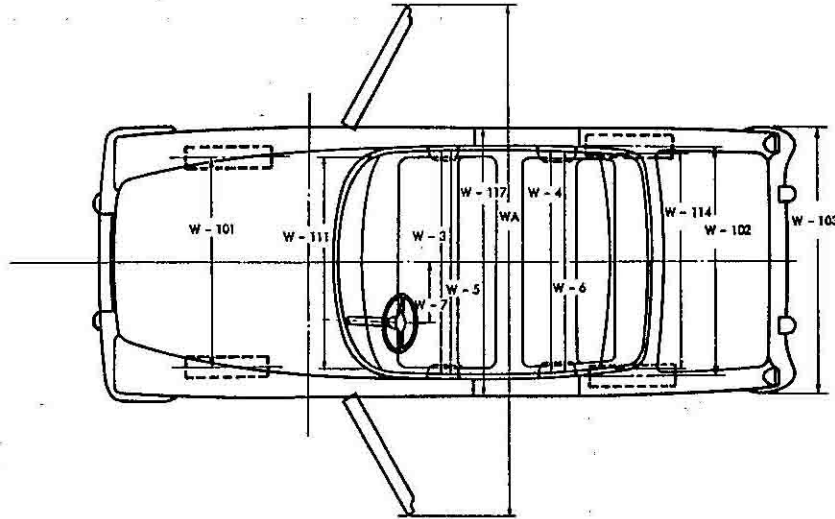
MODEL	2-Door Hardtop	Convertible		
Interior	L3. Rear compartment room. Back of front seat back to front of rear seat back		28.6	
	L4. Leg room, front. Ball of foot to top of seat to seat back		45.6	
	L5. Leg room, rear. Ball of foot to top of seat to seat back		35.4	
	L7. Steering wheel clearance to seat back taken on arc		16.3	
	L9. Front seat depth. Front edge to vert. tan. of seat back		19.0	
	L16. Rear seat depth. Front edge to vert. tan. of seat back		17.8	
	L17. Maximum "A" point horizontal travel with normal seat adjustment		4.5	
	L30. Vertical body zero line to actual front of dash. Measured horizontally*		3.7	
	L31. Vertical body zero line to free "A" point, front		39.0	
	L32. Vertical body zero line to free "A" point, rear		71.2	
Exterior	L101. Wheelbase		126.0	
	L103. Overall length. Incl. bumper guards if standard equipment		219.8	
	L104. Overhang, front. Include bumper guards if stand. eq.		34.8	
	L105. Overhang, rear. Include bumper guards if stand. eq.		59.0	
	L123a. Body upper structure length at C/L, excl. molding		106.2	109.0
	L127. Vertical body zero line to centerline of rear wheels		102.0	
	LC. Front of car to base windshield, excl. molding		62.5	
	LD. Rear of car to base of rear window or upper structure, excl. molding		51.1	48.3
LE. Front of car to front edge of front door		67.4		

\* Precede figure with minus sign if front of dash is to rear of body zero line.

# AMA Specifications—Passenger Car

MAKE OF CAR CHRYSLER 300G MODEL YEAR 1961 DATE ISSUED 9-28-60 REVISED (\*)

## BODY—WIDTH DIMENSIONS



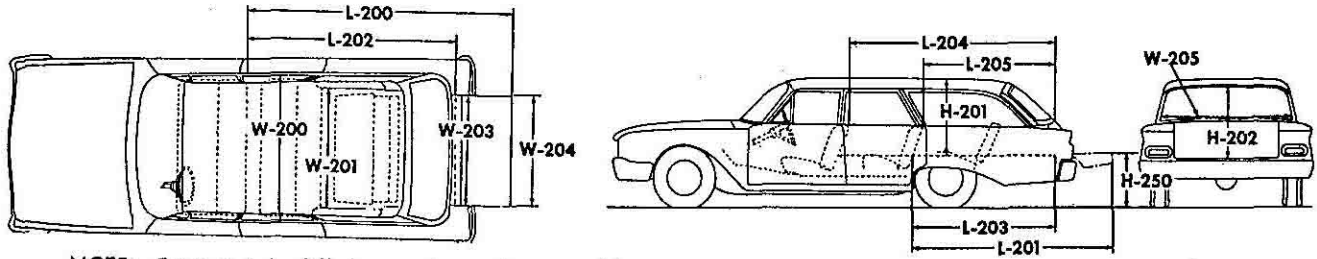
MODEL		2-Door Hardtop	Convertible Coupe
Interior	W3. Front shoulder room, at garnish molding height or nearest interference 5" forward of seat back	Not Applicable - Individual Seats	
	W4. Rear shoulder room, at garnish molding height or nearest interference 5" forward of seat back	"	"
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back	"	"
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back	"	"
	W7. Steering wheel center (on surface plane of wheel) to C/L of body	16.1	
Exterior	W101. Front tread at ground	61.2	
	W102. Rear tread at ground	60.0	
	W103. Max. overall width of car incl. bumpers or moldings (specify location).	79.4 at Front Bumper	
	WA. Max. overall width of car with doors open (2 & 4 door)	167.8	
	W111. Windshield DLO, max. width	58.9	
	W114. Back window DLO, max. width	61.4	57.7
	W116a. Maximum overall sheet metal width excl. hardware and applied molding (specify location)	77.6 at Rear Wheel Opening	
W117. Max. body width at center pillar, less hardware and applied moldings	76.2		



# AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER 300G MODEL YEAR 1961 DATE: ISSUED 9-28-60 REVISED(•) \_\_\_\_\_

## STATION WAGON—CARGO SPACE DIMENSIONS



NOTE: Front seat in full down and normal rear position for all measurements. Lengths and heights measured at car centerline.

MODEL	300G
L200 Floor length from back of front seat at floor level to end of lowered tail gate	Not Applicable
L201 Floor length from back of second seat at floor level to end of lowered tail gate	
L202 Floor length from back of front seat at floor level to inside of closed tail gate	
L203 Floor length from back of second seat at floor level to inside of closed tail gate	
L204 Minimum horizontal distance from top rear of front seat back to inside of top of tail gate	
L205 Minimum horizontal distance from top rear of second seat back to inside of top tail gate	
W200a Maximum width of cargo space at floor, specify location	
W201 Minimum distance between wheel houses at floor level	
W203 Rear end opening width at floor	
W204 Rear end opening width at top of tail gate	
W205 Maximum width of rear opening above raised tail gate	
H201 Maximum height, floor covering to headlining at centerline of rear axle	
H202 Maximum height of rear opening, tail and lift gates open	
H250 Platform height measured from ground to top of tail gate floor covering at rear most edge of tail gate, curb weight	
Third Seat, facing direction	
Tail and lift gates or sliding glass	
Cargo volume index (cu. ft.) W4 (P. 24) X L204 X H201 1728	

# AMA Specifications – Passenger Car

MAKE OF CAR CHRYSLER 300G MODEL YEAR 1961 DATE ISSUED 9-28-60 REVISED (a)

MODEL 2-Door Hardtop Convertible Coupe

## BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front	
	Rear doors	---	
Type of finish (lacquer, enamel, other)		Synthetic Enamel	
Hood hinge location (front, rear)		Rear	
Hood counterbalanced (yes, no)		Yes	
Hood release control (internal, external)		Internal	
Vehicle (Serial) No. Location		Left Front Door Hinge Pillar, Lower	
Engine No. Location		Front of Engine, Top Center	
Theft protection - type		Ignition Key Start, Ignition Switch Terminal Block, Door Locks	
Vent window control method (crank, friction pivot)	Front	Friction Pivot	
	Rear	None	
Seat cushion type	Front	Formed Wire	
	Rear	Zigzag	
Seat back type	Front	Full-Vol.	Foam Latex
	Rear	Full-Vol.	Foam Latex
Windshield type (single curved, compound curved, other)		Single Curved	Compound Curved
Rear window type (flat, curved, one piece, three piece)		One Piece, Curved	
Side glass type (curved, flat)		Flat	
Side glass exposed surface area		1254	1137
Windshield glass exposed surface area		1575	
Backlight glass exposed surface area		1778	1237
Total glass exposed surface area		4607	3949



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