

AMA Specifications – Passenger Car

Data prepared and distributed by American automobile manufacturers, using uniform questionnaire form developed by car manufacturers under auspices of the Automobile Manufacturers Association.

MAKE OF CAR	DODGE (POLICE SPECIAL)	MODEL YEAR	1958	DATE ISSUED	Nov. 1957	REVISED	
COMPANY	DODGE DIVISION, CHRYSLER CORPORATION, DETROIT 31, MICHIGAN						
MODEL NAME	<u>SYMBOL</u>	MODEL NAME	<u>SYMBOL</u>				
		Coronet Police Special	LD2 D500				

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NOTES:

1. The specifications set forth herein are those in effect at the date of compilation and are subject to change without notice.

UNLESS OTHERWISE INDICATED:

- All specifications are standard for the models under which they are listed.
- Specifications apply basically to 4-door sedan or equivalent. Body dimensions shown on pages 19-24 include other body models available.
- All dimensions are nominal engineering dimensions.

GENERAL SPECIFICATIONS

MODEL	Additional Information Page No.:	LD2 D500 Police Special 2-Door Sedan
Wheelbase (L-101)	22	122.0
Tread	Front (W-101)	60.9
	Rear (W-102)	59.8
Maximum Overall Dimensions	Length (L-103)	213.8
	Width (W-103)	78.3
	Height (H-101)	58.7
Transmission— (Specify trade name - opt., not available)	Manual	Not Available
	Overdrive	Not Available
	Automatic	TorqueFlite Standard
Axle ratio	Manual	- -
	Overdrive	- -
	Automatic	3.31
Tire size	15	8.00 x 15
Engine	Type, no. cyl., valve arr.	90° V-8, Overhead In-Line Valves
	Fuel system (Carb. or inj.)	Carburetor
	Bore and stroke	4.12 x 3.38
	Piston displ., cu. in.	361
	Std. compression ratio	10.0 to 1
	Max. bhp at engine rpm	305 @ 4600
	Max. torque at rpm	400 @ 2800

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ENGINE—GENERAL

Type, no. cyls., valve arr.		90° V-8, Overhead In-Line Valves
Bore and stroke		4.12 x 3.38
Piston displacement, cu. in.		361
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)	Standard	10.0 to 1
	Optional	None
Cylinder Head Material	Standard	Cast iron
	Optional	None
Cylinder Sleeve - Wet, dry, none		None
Number of mounting points	Front	Two
	Rear	One
Taxable $\frac{\text{Dia.}^2 \times \text{No. Cyl.}}{2.5}$ horsepower		54.3
Published max. bhp at engine RPM*	Standard	305 @ 4600
	Optional	None
Published max. torque* (lb. ft. @ RPM)	Standard	400 @ 2800
	Optional	None
Recommended fuel regular - premium	Standard	Premium
	Optional	- -
Recommended idle speed (neutral)		450 - 500

ENGINE—PISTONS

Material	Aluminum Alloy
Description and finish	Thermally controlled by steel band, horizontal slot, elliptically-turned, tin-plated
Weight (piston only) oz.	24.4

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

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ENGINE PISTONS (Cont.)

Clearance (limits)	Top land		.042 - .047
	Skirt	Top	.0075 - .00125
		Bottom	- -
Ring groove depth	No. 1 ring		.21
	No. 2 ring		.21
	No. 3 ring		.20
	No. 4 ring		None

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, standard twist, tin plated
	Width		.078
	Gap		.013 - .025
Oil	Description - material, type, coating, etc.		Cast iron, single-piece unit
	Width		.188
	Gap		.013 - .025
Expanders			Standard tension, hump type

ENGINE—PISTON PINS

Material			High-manganese steel
Length			3.44
Diameter			1.0935
Type	Locked in rod, in piston, floating, etc.		Press-fit in rod
	Bushing	In rod or piston	None
		Material	- -
Clearance	In piston		.00015 - .00065
	In rod		.0007 - .0012 Interference fit
Direction & amount offset in piston			.06 Right

ENGINE—CONNECTING RODS

Material			Drop-forged steel
Weight (oz.)			28.6
Length (center to center)			6.36
Bearing	Material & Type		Bi-metal grid, removable, precision type
	Overall length		.927
	Clearance (limits)		.005 - .0015
	End play		.009 - .017 (2 rods)

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ENGINE—CRANKSHAFT

Material		Drop-forged steel		
Vibration damper type		Rubber-dynamic		
End thrust taken by bearing (No.)		#3 - Center		
Crankshaft end play		.002 - .007		
Main bearing	Material & type		Bi-metal grid. Removable, precision type	
	Clearance		.0005 - .0015	
	Journal dia. and bearing overall length	No. 1	2.63 x .94	
		No. 2	2.63 x .94	
		No. 3	2.63 x 1.22	
		No. 4	2.63 x .94	
		No. 5	2.63 x .94	
		No. 6	None	
No. 7		None		
Dir. & amt. cyl. offset		None		
Crankpin journal diameter		2.38		

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	
Special provision for valve rotation (intake, exhaust)		Low-friction lock on exhaust	
Rocker ratio		1.50 to 1	
Operating tappet clearance (indicate hot or cold)	Intake	Not applicable	
	Exhaust	Not applicable	
Timing marks on fly-wheel, damper, other		Vibration damper	

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ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	15	
		Closes (°ABC)	57	
		Duration - deg.	252	
	Exhaust	Opens (°BBC)	57	
		Closes (°ATC)	15	
		Duration - deg.	252	
Valve opening overlap		30°		
Intake	Material		Silicon-chromium steel	
	Overall length		4.78	
	Actual overall head dia.		1.95	
	Angle of seat		45°	
	Seat insert material		None	
	Stem diameter		.37	
	Stem to guide clearance		.002	
	Lift		.390	
	Outer spring press. and length	Valve closed (lb. @ in.)	80 @ 1.86	
		Valve open (lb. @ in.)	180 @ 1.47	
	Inner spring press. and length	Valve closed (lb. @ in.)	None	
		Valve open (lb. @ in.)	None	
	Exhaust	Material		21-4N Nitrogen-treated manganese-chromium-nickel steel
		Overall length		4.78
Actual overall head dia.		1.60		
Angle of seat		45°		
Seat insert material		None		
Stem diameter		.37		
Stem to guide clearance		.003		
Lift		.390		
Outer spring press. and length		Valve closed (lb. @ in.)	80 @ 1.86	
		Valve open (lb. @ in.)	180 @ 1.47	
Inner spring press. and length		Valve closed (lb. @ in.)	None	
		Valve open (lb. @ in.)	None	

ENGINE—LUBRICATION SYSTEM

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

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ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Rotary
Normal oil pressure (lb. @ engine rpm)	50 - 65 @ 1500
Oil pressure sending unit (electric or mechanical)	Mechanical
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.)	4
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
Oil type recommended	API Classification MS

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	Two; Reverse Flow
Exhaust pipe dia. (O.D. Branch wall thickness)	None
	Main 2.25 x .083
Tail pipe diameter (O.D. & wall thickness)	2 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	Capacity (gals.) 20	
	Filler location Left rear fender	
Fuel Pump	Type (elec. or mech.) Mechanical	
	Locations Right front of engine	
	Pressure range 6 - 7 psi	
Vacuum booster (std., optional, none)	None	
Fuel Filter	Type Plastic and ceramic	
	Locations Fuel tank and fuel pump	
Carburetor	Make & Model No. Carter AFB-2642S	
	Number & Type One 4-barrel	
	Barrel size 1.44	
	Choke type Remote in manifold crossover	
	Intake manifold heat control (exhaust or water) Exhaust	
	Air clnr. type	Standard Paper element
		Optional None

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ENGINE—COOLING SYSTEM

Type (pressure system, atmospheric, other)		Pressure-vent	
Radiator cap relief valve pressure		14 psi	
Circulation thermostat	Type (choke, bypass)	Pellet	
	Starts to open at (°F)	177 - 182	
Water pump	Type (centrifugal, other)	Centrifugal	
	Number of pumps	One	
	Drive (V-belt, other)	V-belt	
	Bearing type	Sealed ball bearing	
By-pass recirculation type (internal, external)		Internal	
Radiator core type (cellular, tube and fin, other)		Cellular-tubular or fin-and-tube	
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	1.5
	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		Four, 76° - 104°
	Diameter		18-inch, curved tip
	Ratio-fan to crankshaft rev.		0.95 to 1
	Fan cutout type		None
	Bearing type		See "Water Pump"
*Drive belts (Indicate belt used by letter)	Fan		See chart below (a)
	Generator		See chart below
	Water Pump		See chart below (a)
	Power Steering		None
	Air Conditioning		None

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*Drive Belt Dimensions	with std generator	with field-installed alternator
Angle of V	38 - 42°	
Nominal length (SAE)	56.5	58.06 (dual belts)
Width	.375	.375

(a) Fan-water pump has double pulley as provision for replacement of standard generator with 50 or 60-amp field-installed alternator.

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ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model	Auto-Lite 12H-70 or Willard HO-12-70		
	Voltage Rtg. & Plates/cell	12-volt, 13		
	SAE Designation & Amp Hr. Rtg	None, 70		
	Location	Under hood, left side		
	Terminal grounded	Negative		
(a) Generator	Make	Auto-Lite (a)		
	Model	GJC-7012-A		
	Type	Shunt wound		
	Ratio—Gen. to Cr/s rev.	2 : 1		
	Gen. cut-in—engine rpm	650		
Regulator	Make	Auto-Lite		
	Model	VRX-6201-A		
	Type	Current and voltage control		
	Cutout relay	Closing voltage @ generator rpm	13.0 - 13.8 @ 1300	
		Reverse current to open	Contacts open at 0 to 6-amp discharge at 8.2 to 9.3 volts after 10-amp discharge	
	Regu-lated	Voltage	14.28 - 14.88	
		Current	30 - 40	
	Voltage test conditions	Temperature	70° F	
		Load	Run 15 min at 7.0 amp - Voltage regulator check	
Other		Additional 15 min at rated output - Current regulator check		

ELECTRICAL—STARTING SYSTEM

Starting motor	Make	Auto-Lite		
	Model	MDT-6001		
	Rotation (drive end view)	Clockwise		
	Engine cranking speed	Cold - 35 rpm; Hot - 150 rpm		
	Test conditions	Cold: SAE 5W at -20° F Hot: SAE 30, with completely-warmed engine		
	Lock test	Amps	350	
		Volts	4	
		Torque (lb. ft.)	8.5	
	No load test	Amps	58	
		Volts	11	
RPM (min.)		3800		
Motor control	Switch (solenoid, manual)	Bendix (anti-kickout)		
	Starting procedure	Depress accelerator pedal about one-third and press "N" (Neutral) transmission push-button to extreme "in" position.		

(a) Crankshaft and fan have double pulleys, as provision for replacement of standard generator with double belt-driven 50 or 60-amp alternator.

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ELECTRICAL—STARTING SYSTEM (cont.)

Motor drive	Engagement type		Inertia follow-through drive
	Pinion meshes (front, rear)		Front
	Number of teeth	Pinion	9
		Flywheel	172
	Flywheel tooth face width		.375

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Auto-Lite
	Model		CAH-4001A
	Amps	Engine stopped	3.1
		Engine idling	2.5
Distributor	Make		Auto-Lite
	Model		IBS-4006B
	Spark adv. centrifugal (crankshaft degrees)	Start (rpm)	550 - 850
		Intermediate points @ rpm	0 - 4 @ 850 9 - 13 @ 1500
		Max. @ rpm	18 - 22 @ 4000
	Spark adv. vacuum (crankshaft degrees)	Start (in. Hg)	0 @ 4.2 - 8
		Intermediate points, deg. @ rpm	15 @ 10.5 - 13
		Max. @ rpm.	23 - 29 @ 16.5
	Breaker gap (in.)		.015 - .022
	Cam angle (deg.)		36 - 40 total (double breaker)
Breaker arm tension (oz.)		17 - 20	
Timing	Crankshaft deg. @ rpm.		8 BTC @ 500
	Mark location		Vibration damper
	Cylinder numbering system (see page 2)		1 - 3 - 5 - 7
			2 - 4 - 6 - 8
Firing order (see page 2)		1-8-4-3-6-5-7-2	
Spark Plug	Make and model		Auto-Lite Resistor, AR-32
	Thread (mm)		14
	Tightening torque (lb. ft.)		30 - 32
	Gap		.035
Cable	Conductor type		Stranded copper
	Insulation type		Rubber with neoprene jacket
	Spark plug protector		Neoprene cover

ELECTRICAL—SUPPRESSION

Description	Spark plugs: 10,000-ohm integral resistor Distributor: 10,000-ohm integral resistor
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ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make Trip odometer (yes, no)	Stewart-Warner (Calibrated and certified) No
	Charge indicator-type	Ammeter
	Temperature indicator-type	Electric, magnetic
	Oil pressure indicator-type	Bourdon tube
	Fuel indicator-type	Electric, magnetic
	Other	None
Ignition switch	Identify positions in order and circuits controlled	Center Position - Off
		Clockwise Position - Ignition and accessory circuits
		Counterclockwise Position - Accessory circuit only
	Provision for illumination	None
	Location	Right of steering column
Main lighting switch	Identify positions and lights controlled	Left Position - Off
		1st Position Clockwise - Instrument, tail, license plate, and parking lamps
		2nd Position Clockwise - Instruments, head, tail, and license plate lamps
Other light switches	Locations and lamps controlled	Instrument Lamp Switch - Left of steering column on instrument panel concentric with headlamp switch, variable all instruments; Stop Lamp Switch - In master cylinder; Dome Lamp - Manual switch on instrument panel, automatic switches in doors; Direction Signal Switch - Lever on steering column below wheel
Other switches	Locations and devices controlled	Windshield Wiper Switch - Variable-speed, right of steering column Heater Switch - Two-speed, right of steering column Defroster Control - Right of steering column Starter Switch - Neutral push button (extreme "in" position)
Windshield wiper	Make	Auto-Lite
	Type	Variable-speed electric
	Vacuum booster provision	None
	Washer provision	Windshield washers standard
Horn	Type	Air note - 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, Horizontal; 2-4001, 2-4002
Headlamp beam indicator	1-57
Parking light	2-1034 (a)
Tail light	2-1034 (b)
Stop light	2-1034 (b)
Direction signal	2-1034 (a)
	2-1034 (b)
	2-57
License plate light	1-67
Instrument light	2-57
Ignition lock light	None
Back up light	2-1073
Dome light	1-1004
Clock light	None
Radio light	None
Glove compartment light	1-57
Speedometer	3-57
Transmission Control	1-57
Handbrake Indicator	1-68
Map Light	1-90

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	Same as (A)
Tail light	15 CB (B)
Stop light	Same as (B)
Direction indicator	None
License plate light	Same as (B)
Instrument light	Same as (B)
Ignition light	None
Back up light	Same as (B)
Dome light	Same as (B)
Clock	
Clock light	
Radio	
Glove compartment light	Same as (B)
Map Light	Same as (B)
Windshield Wiper	6 CB (C) (Variable Speed)
Defroster & Heater	SFE-20

(a) Integral units. (b) Integral units, dual-filament.

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DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	Not applicable	
Type pressure plate springs	-- --	
Total plate pressure (lb.)	-- --	
No. of clutch driven discs	-- --	
Clutch facing	Material	-- --
	Outside & inside dia.	-- --
	Total eff. area (sq.in.)	-- --
	Thickness	-- --
	Engagement cushioning method	-- --
Release bearing	Type & method of lubrication	-- --
Torsional damping	Methods: springs, friction material	-- --

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	Not available
Manual with overdrive (std. or opt.)	Not available
Automatic (std. or opt.)	TorqueFlite standard

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds	Not available		
Transmission ratios	In first	-- --	
	In second	-- --	
	In third	-- --	
	In fourth	-- --	
	In reverse	-- --	
Synchronous meshing, specify gears	-- --		
Lubricant	Capacity (pt.)	-- --	
	Type recommended	-- --	
	SAE viscosity number	Summer	-- --
		Winter	-- --
	Extreme cold	-- --	

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DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		Not available	
	Manual lockout (yes, no)		--	
	Downshift accelerator control (yes, no)		--	
	Minimum cut-in speed		--	
	Gear ratio		--	
	Lu- bri- cant	Capacity (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	Torque converter with gears	
Method of Selection (Lever, Push Button or other)	Pushbutton	
Selector Pattern	<div style="display: flex; justify-content: space-around; align-items: center;"> R N D </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 5px;"> 1 2 </div>	
List gear ratios Selector Pattern and indicate which are used in each selector position	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>R 2.20:1 - Reverse N Neutral D 1.00:1 - Drive</p> <p>1 2.45:1 - Drive, 2 & 1 2 1.45:1 - Drive & 2</p> </div> </div>	
Max. upshift speeds—drive range	74 - 78 mph	
Max. kickdown speeds—drive range	70 - 75 mph	
Torque converter	Number of elements	3
	Max. ratio at stall at engine rpm	2.2 @ 1830
	Type of cooling (air, water)	Water-cooled
Lubricant	Capacity—refill (pt.)	21
	Type recommended	Automatic transmission fluid, Type A
Special transmission features	Incorporates spring-loaded hydraulic valve to prevent accidental reverse engagement	

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DRIVE UNITS—PROPELLER SHAFT

Number used		One	
Type (exposed, torque tube)		Exposed	
Outer diameter x length* x wall thickness	Manual transmission	Not applicable	
	Overdrive transmission	Not applicable	
	Automatic transmission	3.50 x 58.96 x .065	
Inter-mediate bearing	Type (plain, anti-friction)	None	
	Lubrication (fitting, prepack)	Not applicable	
Universal joints	Make	Own (Detroit)	
	Number used	Two	
	Type (ball and trunnion, cross, other)	Front: Ball and trunnion Rear: Cross	
	Bearing	Type (plain, anti-friction)	Anti-friction
		Lubric. (fitting, prepack)	Front: Clean and repack Rear: 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)		Semi-floating, hypoid, 2-pinion differential with single-piece case	
Drive Pinion Offset		1.5 inch	
No. of differential pinions		2	
Gear ratio and No. of teeth	Automatic transmission	3.31 (43-13)	
	Overdrive trans.	Not applicable	
	Manual transmission	Not applicable	
Ring gear pitch diameter & O.D.		8.75 and 8.75	
Pinion adjustment (shim, other)		Solid shim (washer)	
Pinion bearing adj. (shim, other)		Shims	
Wheel bearing type		Tapered roller bearing	
Lubricant	Capacity (pt.)	3.5	
	Type recommended	Multi-purpose gear lubricant, API Classification 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.

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DRIVE UNITS—WHEELS

Type & material		Disc; pressed steel
Rim (size and flange type)		14 x 6 K
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.5
	Number and size	Five, 1/2-20 N.F.

DRIVE UNITS—TIRES

Size (L-102) & ply rating	Standard	8.00 x 14 tubeless, black sidewall
	Optional	None
Type tires - nylon, etc.		Nylon
Rev/mile at 30 mph		760
Inflation press.(cold)	Front	22 psi
	Rear	22 psi

BRAKES—SERVICE

Type				Hydraulic. Internal expanding, calculated-contour variable-depth web, "Total-Contact" brake shoes	
Power brake type				Vacuum assist standard	
Effective area (sq. in.)				251	
Percent brake effectiveness-front				60	
Drum	Diameter	Front		12	
		Rear		12	
	Type and material				Composite
Brake lining	Bonded or riveted				Bonded
	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			
	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	

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BRAKES—PARKING

Type of control	T-handle, multiple-pawl ratchet	
Location of control	Under instrument panel, left side of steering column	
Operates on	Transmission output shaft	
If separate from service brakes	Type (internal or external)	Internal
	Drum diameter	7-inch
	Lining size (length x width x thickness)	Two shoes, each 6.53 x 2 x 0.16

FRAME or UNITIZED CONSTRUCTION

Type and description	Welded, double-channel box-section side rails; lateral crossmembers
----------------------	---

SUSPENSION—GENERAL

Provision for car leveling	(a)	Mechanical, by manual adjustment of torsion bar anchor bolt
Provision for brake dip control		By inclined front upper control arms and unsymmetrical rear springs
Provision for acc. squat control		By unsymmetrical rear springs
Special provisions for car jacking		None
Shock absorber front & rear	Type	Direct
	Make	Own
	Piston dia.	1 inch
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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(a) Front only.

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SUSPENSION FRONT (cont.)

Spring	Type		Torsion bar
	Material		Chromium-alloy steel
	Size (coil design height & I.D.; bar length x dia.)		44.6 x 1.04
	Spring rate (lb. per in.)		Not applicable
	Rate at wheel (lb. per in.)		125 (without tires)
	Design load (lb. @ design height)		Not applicable
Stabilizer	Type (link, linkless, frameless)		Link
	Material & bar diameter		Steel, 0.75

STEERING

Mechanical (std., opt., NA)			Standard	
Power (std., opt., NA)			Not available	
Wheel diameter			17"	
Turning diameter	Outside front	Wall to wall (l. & r.)	46' 2"	
		Curb to curb (l. & r.)	43' 7"	
	Inside rear	Wall to wall (l. & r.)	27' 7"	
		Curb to curb (l. & r.)	27' 2"	
Outside wheel angle with inside wheel at 20°			18° 46'	
Mechanical	Gear	Type	Worm and 3-tooth roller	
		Make	Own	
		Ratios	Gear	20.4
	Overall		29.97	
	No. wheel turns			5.2
Power	Type		Not available	
	Make		--	
	Trade name		--	
	Gear	Type	--	
		Ratios	Gear	--
			Overall	--
	Pump driven by			--
	Overall torque ratio			--
Number wheel turns			--	
Linkage	Type		Symmetrical idler arms, equal length tie rods	
	Location (front or rear of wheels, other)		Rear	
	Drag link (trans. or longit.)		Transverse	
	Tie rods (one or two)		Two	

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STEERING (cont.)

Steering Axis	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.)		1/4° ± 1/4°
	Camber (deg.)		Left: +1/4° ± 1/4° (3/8° preferred) Right: 0° ± 1/4° (0° preferred)
	Toe-in (outside tread-inches)		1/8 ± 1/32
Steering spindle & joint type			Ball socket
Wheel spindle	Diameter	Inner bearing	1.25
		Outer bearing	0.75
	Thread size		3/4-16 N.F.
	Bearing type		Tapered roller

SUSPENSION—REAR

Type and description			Parallel, longitudinal leaf	
Drive and torq. taken through (see page 14)			Rear springs	
Spring	Type		Semi-elliptical	
	Material		Steel	
	Size (length x width, coil design height and I.D.; bar length & dia.)		57 x 2.5	
	Spring rate (lb. per in.)		125	
	Rate at wheel (lb. per in.)		165 (without tires)	
	Design load (lb. at design height)		800 ± 22 at -.38	
	Mounting insulation type		Rubber	
	If leaf	No. of leaves		6
		Inserts	Type and size	2.5 x 2.5 front interliners; 2.5 x 3.5 rear interliners
			Material	wax-impregnated fabric
Shackle (comp. or tens.)		Compression		
Stabilizer	Type (link, linkless, frameless)		None	
	Material		Not applicable	
Track bar type			None	

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BODY—GENERAL DEFINITIONS

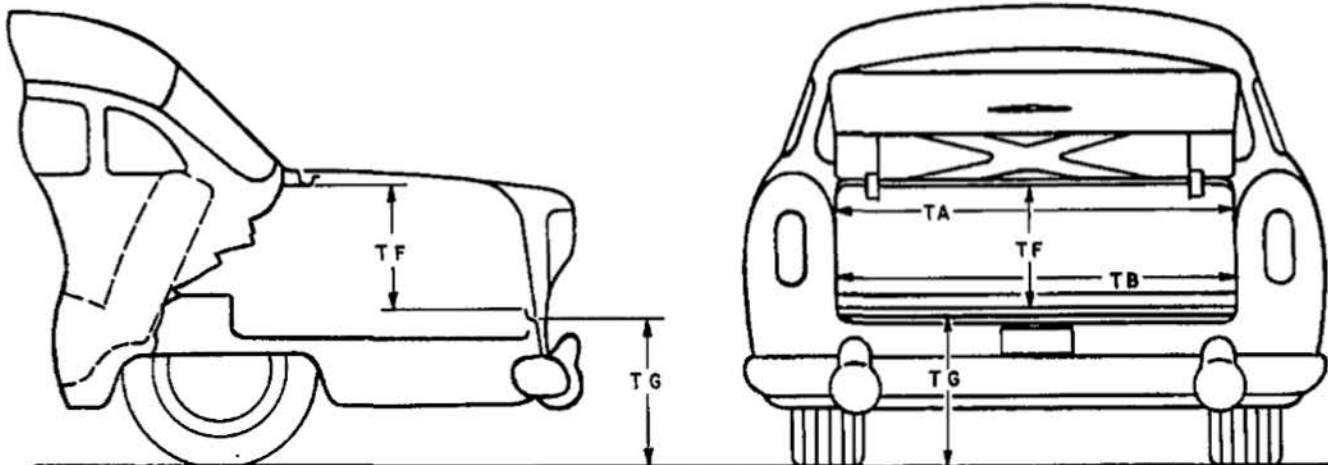
NOTE: Included in the dimension definitions listed on this and the following pages are those which have been adopted by the S.A.E. These are indicated by a number following the type of dimension, e.g. L 3. Additional dimensions have been added by the AMA Specifications Body Subcommittee for inclusion 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. Front and rear seat free "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
2. Front and rear seat "B" points are located on seat back 15" from center of body at height of horizontal tangent to top of seat cushion.
3. Front seat is in the full down and normal rearmost position.
4. Loaded position—5 passenger, front 300 lb., rear 450 lb.; includes spare wheel, tire and tools, and full complement of gas, oil, water, and tires to recommended pressure, etc.
5. C/L (centerline).
6. D. L. O. (daylight opening, exposed glass dimension - pages 21, 23 & 25).
7. Ramp breakover angle (page 21) is the supplement of the included ramp angle (180° minus the included ramp angle) over which a car can pass without hanging up.

MODEL

LD2 D500 Police Special 2-Door Sedan

BODY—TRUNK DIMENSIONS



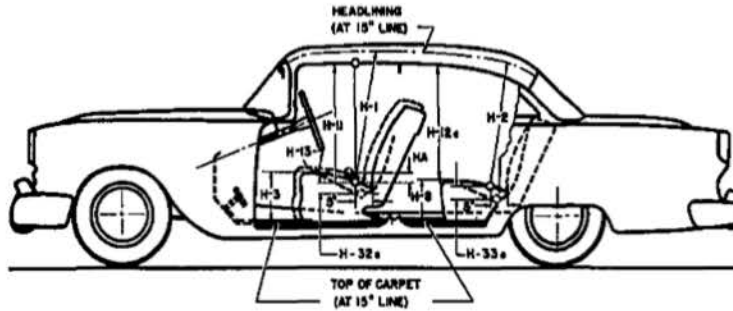
Usable trunk luggage capacity (see Section H1 of SAE Automotive Drafting Standards)	38.6 cu ft (actual)
TA— Width across the top	58.4
TB—Width across the bottom	51.2
TF—Vertical dimension at C/L from bottom to top of opening.	15.4
TG—Vertical height from ground to trunk lower opening (normal surface of outside sheet metal - loaded)	20.7
Position of spare tire stowage	Horizontal on trunk floor
Method of holding lid open	Torsion bar

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BODY—HEIGHT DIMENSIONS--INTERIOR

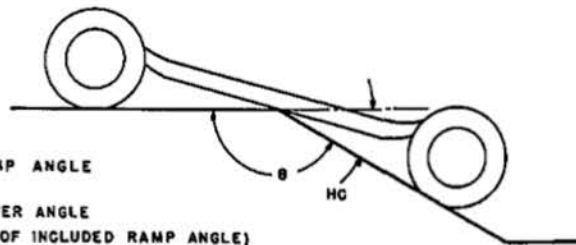
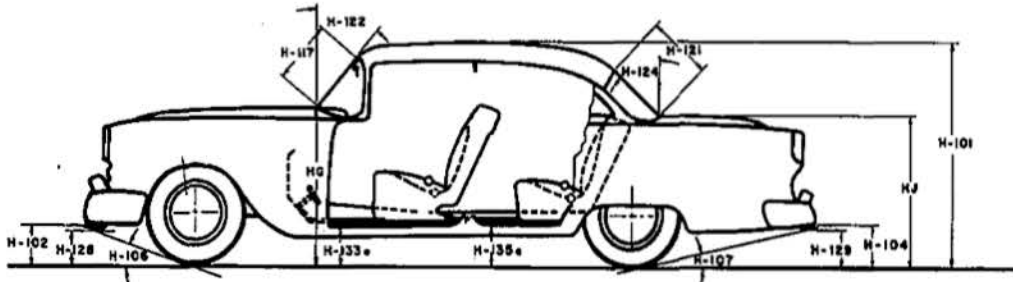


H1. Front headroom—from free "A" pt. to headlining at 8° back of vertical on 15" line. (For "A" pt. see note 1, page 19)	35.7
H2. Rear headroom—from free "A" pt. to headlining at 8° back of vertical on 15" line.	34.5
H3. Front cushion height above low point on floor carpet on 15" line (front edge of cushion).	10.8
H8. Rear cushion height above low point on floor carpet on 15" line (front edge of cushion).	12.0
H11. Entrance—front—cushion free "A" point to bottom windcord vertical.	31.2
H12a. Entrance — rear — top of cushion at vertical tangent to front of rear seat, to bottom of windcord in rear.	27.5
H13. Steering wheel clearance to seat cushion taken on arc (wheel turned for min. clearance).	6.0
HA. Front seat maximum vertical rise at free "A" point.	1.2
HF. Front seat maximum vertical rise of free "A" point with multiple-position seat.	2.6
H32a. Front seat depressed depth — vertical dimension from free "A" point to depressed "A" point.	4.0
H33a. Rear seat depressed depth — vertical dimension from free "A" point to depressed "A" point.	4.0

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BODY—HEIGHT DIMENSIONS—EXTERIOR



θ - INCLUDED RAMP ANGLE
 HC - RAMP BREAKOVER ANGLE
 (SUPPLEMENT OF INCLUDED RAMP ANGLE)

H101. Overall height - loaded.	57.7
H8. Overall height - curb weight.	59.1
H102. Front bumper bottom to ground at normal section.	12.6
H104. Rear bumper bottom to ground at normal section.	11.1
H106. Angle of appr.-fr. tire static loaded rad. to interfering pt. on fr. bumper, gd., other.	19.7°
H107. Angle of dep.-fr. tire static loaded rad. to interfering pt. on rr. bumper, gd., other.	11.1°
HC. Ramp breakover angle.*	10.9°
H117. Windshield DLO-slant height.	22.3
H121. Backlight DLO*-max., slant height.	19.7
H122. Windshield slope angle to vertical line on car axis.	50°
H124. Backlight slope angle to vertical line on car axis.	53°
H128. Ground to bottom of front bumper guard.	Not applicable
H129. Ground to bottom of rear bumper guard.	16.8
H133a. Bottom of front door to ground, min. dimension - car loaded.	12.1
H135a. Bottom of rear door to ground, min. dimension - car loaded.	Not applicable
HD. Min. road clear. (5 pass. load) & loc.	6.4 Frame side member
HE. Min. road clearance at rear axle.	7.5
HG. Hood at rr. to grd.-vert. dim. excl. molding, fr. hood opening line at cowl (curb wt.)	41.3
HH. Max. ht., fr. grd. frt. of windshield (curb wt.)	41.8
HJ. Max. ht. fr. grd. back of r. window (curb wt.)	40.3

* See Notes, page 19.

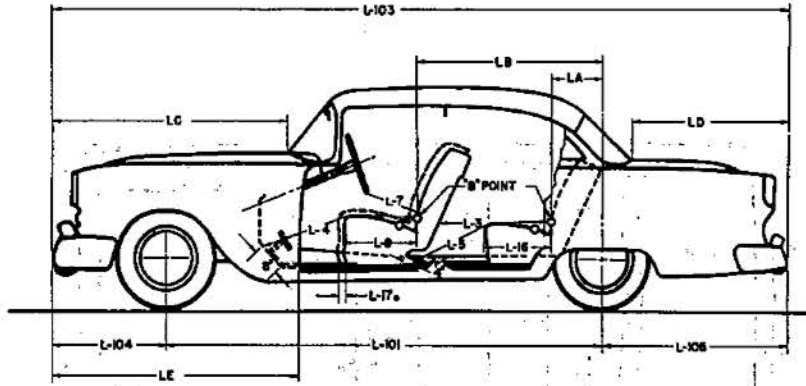
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MODEL _____ LD2 D500 Police Special 2-Door Sedan

BODY—LENGTH DIMENSIONS



Interior	* L3. Rear compartment of front seat back to rear seat back.	31.0
	* L4. Leg room—front—ball of foot to top of seat to seat back—15" line.	45.5
	* L5. Leg room—rear—from ball of foot to top of seat cushion and to seat back†	42.5
	L7. Steering wheel clearance to seat back taken on arc.	15.0
	* L9. Front seat depth (front edge to vert. tan. to seat back on 15" line).	18.6
	* L16. Depth of rear seat (front edge to seat back).	18.6
	L17a. Total adjustment of front seat at front lower seat frame.	4.8
	L-A. Rear seat "B" point to center line of rear axle.	20.2
	L-B. Front seat "B" point to center line of rear axle.	57.8
	L-C. Front of car to base of windshield.	58.8
L-D. Rear of car to base of rear window or upper structure.	46.3	
L-E. Front of car to front edge of front door.	64.1	
Exterior	L101. Wheelbase.	122.0
	L103. Overall length (bumper to bumper inc. guards).	213.8
	L104. Overhang—front including bumper guards.	35.1
	L105. Overhang—rear including bumper guards.	56.7

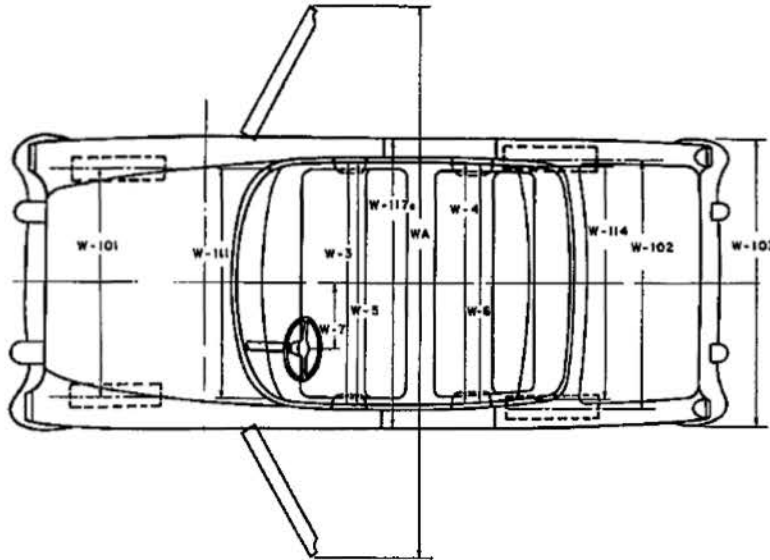
* Dimension taken on 15" line—see notes 1 & 2, page 19.

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BODY—WIDTH DIMENSIONS



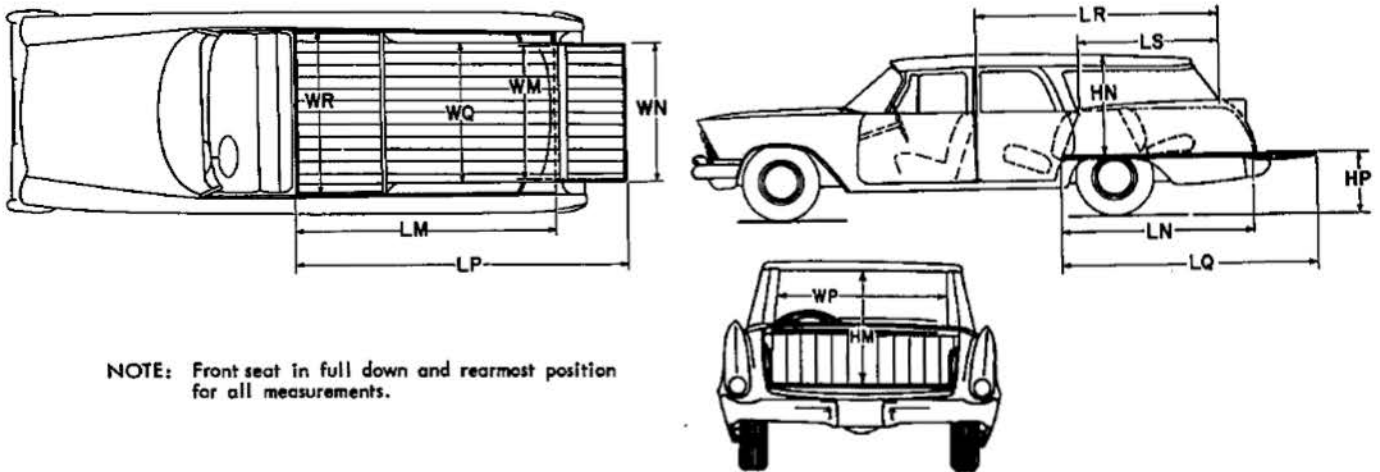
MODEL	Dodge Police Special 2-Door Sedan	
Interior	W3. Front shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	60.5
	W4. Rear shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	60.4
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back.	63.0
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back.	62.7
	W7. Steering wheel center to center of body.	16.11
Exterior	W101. Front tread at ground.	61.4
	W102. Rear tread at ground.	60.2
	W103. Max. overall width of car including bumpers or mouldings.	80.0
	WA. Max. overall width of car with doors open.	156.8
	W111. Windshield DLO, max. width.	63.2
	W114. Back window DLO, max. width.	60.4
	W117a. Max. body width at center pillar, less hardware and applied moldings.	75.6

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STATION WAGON—CARGO SPACE DIMENSIONS



NOTE: Front seat in full down and rearmost position for all measurements.

LM Floor length from bottom of front seat to inside of tail gate in raised position.	/
LN Floor lgth. from bottom of second seat to inside of tail gate in raised position.	
LP Floor lgth. from bottom of front seat to end of tail gate in lowered position.	
LQ Floor lgth. from bottom of second seat to end of tail gate - tail gate lowered.	
HM Maximum hgth. of rear opening - tail gate lowered.	
WM Rear end opening width at floor.	
WN Rear end opening width at top of tail gate.	
WQ Minimum distance between wheelhouses.	
WP Maximum width of rear opening above raised tail gate.	
WR Maximum width of cargo space at floor.	
LR Cargo horizontal distance from top rear of front seat back to top of tail gate.	
LS Cargo horizontal distance from top rear of second seat back to top of tail gate.	
HN Maximum height of roof above floor at center line of car.	
HP Platform height of end of lowered tail gate - curb weight.	
Third Seat - facing direction.	

NOT APPLICABLE

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BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front
	Rear doors	Front
Type of finish (lacquer, enamel).		Synthetic enamel
Hood hinge location (front, rear).		Rear
Hood counterbalanced (yes, no).		Yes
Hood release control (internal, external).		External
Vehicle (Serial) No. Location		Bottom left front door hinge post
Engine No. location		Top of engine block - front
Theft protection - type		Ignition key starting
Vent window control method (crank, friction pivot).		Friction pivot
Windshield type (single curved, compound curved, other)		Single curved
Rear window type (flat, curved, one piece, three piece)		One piece - curved
Side glass type (curved, flat)		Flat
Windshield glass area D.L.O.		1144
Backlight glass area D.L.O.		1173
Total glass area D.L.O.		4224

BODY—TYPES AND STYLE NAMES —

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

BODY STYLES:

CODES

2-Door Sedan

LD2-L1-21 Coronet Standard 6-passenger

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