AUTOMOBILE MANUFACTURERS ASSOCIATION
CONSOLIDATED SPECIFICATION QUESTIONNAIRE

MAKE OF CAR: DODGE	
COMPANY: DODGE DIVISION CHRYSLER CORPORATION DETROIT 31, MICHIGAN	
MODEL YEAR: 1957 **DATE** JANUARY 1957	

	MODEL NAME	SYMBOL
(A)	Coronet "500"	D-500
(A)	Royal "500"	D-500
(A)	Custom Royal "500"	D-500
(A)	Sierra "500"	D-500
(A)	Custom Sierra "500"	D-500
(B)	Coronet "501"	D-500-1

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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.
2. All specifications are standard for the models under which they are listed unless otherwise indicated.
3. All dimensions are nominal engineering dimensions unless otherwise indicated.
4. Unless otherwise indicated, specifications apply to 5 or 6 passenger, 4-door sedan or equivalent.

GENERAL SPECIFICATIONS

Model		Coronet "500"	Royal "500"	Custom Royal "500"	Sierra "500"	Custom Sierra "500"	D-500-1
Wheelbase							
Tread	Front						61.7
	Rear						59.5
Maximum Overall Dimensions	Length (L-103)						
	Width (W-103)						
	Height (H-101)						56.1 (a)
Steering ratio—overall							
Turning diameter (curb to curb)							
Shipping weight*		3690	3700	3720	N/A		
Transmission— (Specify standard, optional, not avail.)	Conventional						
	Overdrive						
	Automatic						
Axle ratio	Conventional						
	Overdrive						
	Automatic	3.18 (See Page 15)					
Tire size							7.60 x 15
Engine	Type						
	No. of cylinders						
	Valve arrangement	Overhead, Lateral, Double Rocker Shaft					
	Bore and stroke						3.94 x 3.63
	Piston displacement, cu. in.						354
	Standard compression ratio	9.25					10.00
	Maximum bhp at engine rpm	285 at 4800 (b)					340 at 5200
	Maximum torque at rpm	345 at 2800 (b)					N/A

*Standard car weight, not including gas and water.

(A) The D-500 models are engine packages available on all Dodge V-8 models. This AMA shows only the D-500 data which differs from that of standard models.

(B) The D-500-1 model is an engine and chassis package available on Coronet V-8 club sedans and convertible coupes. This AMA shows only D-500-1 data which differs from standard models.

(a) Club Sedan. (b) With Power Pkg: 310 bhp at 4800 and torque of 350 at 3200.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1957

MODEL			D-500	D-500-1
ENGINE—GENERAL				
Type	V, In-line, other			
	Angle of V			
No. of cylinders				
Valve arrangement			Overhead, Lateral, Double Rocker Shaft	
Bore and stroke				3.94 x 3.63
Piston displacement, cu. in.				354
Numbering system (front to rear)	L. Bank			
	R. Bank			
Firing order				
Compression ratio	Standard Head		9.25	10.00
	Optional Head			
Cylinders	Head Material	Standard		
		Optional		
	Sleeve—Wet, dry, other, none			
Number of mounting points		Front		
		Rear		
Taxable horsepower	(Dia.² x No. Cyl.) / 2.5			49.7
Advertised max. brake horsepower at engine RPM*	Standard head		285 at 4800 (a)	340 at 5200
	Optional head		---	
	With fuel (Octane and method)	Standard Head	99.4 Motor; 105 Research	
		Optional Head	---	
Max. torque (lb. ft. @ RPM)	Standard head		345 at 2800 (a)	N/A
	Optional head		---	
Recommended idle speed (neutral)				650
ENGINE—PISTONS				
Material				
Description and finish			Thermally Controlled by Steel Band, Elliptically Turned, Tin Plated	
Weight (piston only) oz.			19.5	22.8
Clearance	Top land		.031	.030
	Skirt	Top		
		Bottom		
Ring groove depth	No. 1 ring			.22
	No. 2 ring			.22
	No. 3 ring			.21
	No. 4 ring			

*Corrected as defined by SAE Engine Test Code, with the following standard power consuming accessories:

(a) With Power Pkg: 310 bhp at 4800 and torque of 350 at 3200.

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MAKE OF CAR DODGE MODEL YEAR 1957

MODEL			D-500	D-500-1
ENGINE—RINGS				
Type (top to bottom)	No. 1 oil or comp.			
	No. 2 oil or comp.			
	No. 3 oil or comp.			
	No. 4 oil or comp.			
No. rings above piston pin				
Compression	Material			
	Coating			No. 1 - Chromium No. 2 - Tin
	Width			
	Gap			
	Maximum wall thickness			.197
Oil	Material			
	Coating			
	Width			
	Gap			
	Maximum wall thickness			.158
Location of expanders				
ENGINE—PISTON PINS				
Material				
Length				3.145
Diameter				.984
Type	Locked in rod, in piston, floating, etc.			
	Bushing	In rod or piston		
		Material		
Clearance	In piston			
	In rod			
Direction offset in piston				
ENGINE—CONNECTING RODS				
Material				
Weight (oz.)				25.2
Length (center to center)				6.95
Bearing	Material			Tri-Metal (a)
	Type (cast-in or removable)			
	Effective length			.88
	Clearance			
	End play			.006 - .014 (2 Rods)
ENGINE—CRANKSHAFT				
Material				Drop Forged Steel Hardened
Weight (lb.)				

(a) Copper Lead on Steel Back.

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MAKE OF CAR DODGE MODEL YEAR 1957

MODEL				D-500	D-500-1
ENGINE—CRANKSHAFT (cont.)					
Vibration damper type					Rubber - Dynamic
End thrust taken by bearing (No.)					
Crankshaft end play					
Main bearing	Material				Tri-Metal (a)
	Type (cast-in or removable)				
	Clearance				.0005 - .0015 (b)
	Journal dia. and bearing effective length	No. 1			2.50 x .82
		No. 2			2.50 x .82
		No. 3			2.50 x .74
		No. 4			2.50 x .82
		No. 5			2.50 x 1.39
		No. 6			
		No. 7			
	Direction offset from cyl. bore				
Connecting rod crankpin journal diameter					
ENGINE—CAMSHAFT					
Material					
Bearings	Material				
	Number				
Type of drive	Gear or chain				
	Crankshaft gear or sprocket material				
	Camshaft gear or sprocket material				
	Timing chain	Make			
		No. of links			
		Width			
		Pitch			
ENGINE—VALVE SYSTEM					
Hydraulic lifters (yes, no)					No
Special provision for valve rotation (intake, exhaust)					Low Friction Lock on Intake and Exhaust
Rocker ratio					
Operating tappet clearance (indicate hot or cold)	Intake				.015 (Hot)
	Exhaust				.024 (Hot)
Tappet clearance for timing	Intake				
	Exhaust				
Timing marks on fly-wheel, damper, other					Vibration Damper

(a) Copper Lead on Steel Back.

(b) Rear Main - .0015 to .0025

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MODEL			D-500	D-500-1
ENGINE—VALVE SYSTEM (cont.)				
Timing	Intake	Opens (°BTC)	18 BTC (b)	35 BTC (c)
		Closes (°ABC)	58 ABC (b)	65 ABC (c)
	Exhaust	Opens (°BBC)	56 BBC (b)	65 BBC (c)
		Closes (°ATC)	20 ATC (b)	25 ATC (c)
Intake	Material			
	Overall length		4.83	5.03
	Actual overall head dia.		1.87	1.94
	Angle of seat			
	Seat insert material			
	Stem diameter			
	Stem to guide clearance			
	Lift		.388	.444 (d)
	Outer spring press. and length	Valve closed (lb. @ in.)	78 - 88 at 1.69	60 at 1.66
		Valve open (lb. @ in.)	170 - 184 at 1.31	158 at 1.22
	Inner spring press. and length	Valve closed (lb. @ in.)		28 at 1.53
		Valve open (lb. @ in.)		66 at 1.09
Exhaust	Material			(a)
	Overall length		4.85	4.99
	Actual overall head dia.		1.53	1.75
	Angle of seat			
	Seat insert material			Alloy Iron
	Stem diameter			
	Stem to guide clearance			
	Lift		.388	.435 (d)
	Outer spring press. and length	Valve closed (lb. @ in.)	78 - 88 at 1.69	60 at 1.66
		Valve open (lb. @ in.)	170 - 184 at 1.31	158 at 1.22
	Inner spring press. and length	Valve closed (lb. @ in.)		28 at 1.53
		Valve open (lb. @ in.)		66 at 1.09

ENGINE—LUBRICATION SYSTEM

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

(a) 21-4N - Nitrogen treated Manganese Chromium Nickel Steel.
(b) "After" cars only; "Up to" cars - Intake opens 10 BTC, closes 58 ABC, Exhaust opens 56 BBC, closes 16 ATC
(c) Optional cam: Intake opens 33 BTC, closes 71 ABC; Exhaust opens 68 BBC, closes 36 ATC
(d) Optional Cam Lift: Intake - .394, Exhaust - .400

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MAKE OF CAR DODGE **MODEL YEAR** 1957

MODEL	D-500	D-500-1

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type		
Normal oil pressure (lb. @ rpm)		
Oil pressure gage type (electric or mechanical)		
Type oil intake (floating, stationary)		
Oil filter type (full flow, partial flow)		Full Flow Replaceable Element
Capacity of crankcase, less filter—refill (qt.)		
Oil grade recommended (SAE viscosity and temperature range)		
Oil type recommended		

ENGINE—FUEL SYSTEM

Recommended fuel	Standard head		Premium	
	Optional head			
Fuel Tank	Capacity (gals.)		20 (a)	23
	Filler Location			
Fuel Filter	Type			
	Location			
Fuel pump	Type (elec. or mech.)			
	Location			
	Pressure range			
	Vacuum booster (std., optl., none)			
Carburetor	Make		Carter	
	Model number		WCFB-2622S (b) (c)	WCFB-2534S(front),WCFB-2535S(rear)
	Number used		One (b)	Two
	Type	Downdraft, side inlet, other		
		Single or dual	4-Barrel	
	Intake manifold heat control (manual, auto., none)			
	Automatic choke type (integral, other)			Integral
	Air cleaner type	Standard		
		Optional		

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Dual	
Muffler type (rev. flow, str. thru, sep.resonator)			
Exhaust pipe dia.	Branch	2"	2-1/2"
	Main	2"	2-1/2"
Tail pipe diameter		2"	

(a) 23 gallon tank optional. (b) With optional Power Package: Two 4-barrel Carter Carburetors used, WCFB-2633S (front) and WCFB-2634S (rear).

(c) "After" cars; "Up to" cars used WCFB-2532S.

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MAKE OF CAR DODGE MODEL YEAR 1957

MODEL			D-500	D-500-1
ENGINE—COOLING SYSTEM				
Type (pressure system, atmospheric, other)				
Radiator cap relief valve press.				
Circulation thermostat	Type (choke, bypass)			
	Starts to open at			
Water pump	Type (centrifugal, other)			
	Number of pumps			
	Drive (V-belt, other)			
	Bearing type			
By-pass recirculation type (internal, external)				
Radiator core type (cellular, tube and fin)				
Cooling system capacity	With heater (qt.)			22
	Without heater (qt.)			21
Water jackets full length of cylinder (yes, no)				
Water all around cylinder (yes, no)				
Radiator hose	Lower	Number and type (molded, straight)		
		Inside diameter and length		1.75
	Upper	Number and type (molded, straight)		
		Inside diameter and length		
	By-pass	Number and type (molded, straight)		One (Permanent, External, Molded)
		Inside diameter and length		0.8
Drive belts	Fan	Number used		Two
		Angle of V		
		Outside length		36.5
		Width		
	Generator	Angle of V		
		Outside length		39.25
		Width		
Fan	Number of blades and spacing			Six, 45° - 75° - 60°
	Diameter			
	Ratio—fan to crankshaft revolutions			.85
	Bearing type			

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MODEL			D-500	D-500-1
ELECTRICAL—SUPPLY SYSTEM				
Battery	Make and Model			
	Voltage Rtg. & Plates/cell			
	SAE Designation & Amp Hr. Rtg			
	Location			
	Terminal grounded			
Generator	Make			
	Model			
	Type			
	Ratio—Gen. to Cr/s rev.			2.16
Regulator	Make			
	Model			
	Type			
	Cutout relay	Closing voltage @ generator rpm		
		Reverse current to open		
	Regulated	Voltage		
		Current		
	Min. Gen. rpm required			
	Voltage test conditions	Temperature		
		Load		
		Other		
ELECTRICAL—STARTING SYSTEM				
Starting motor	Make			
	Model			MDL-6001
	Rotation (drive end view)			
	Engine cranking speed			
	Test conditions			
	Lock test	Amps		
		Volts		
		Torque (lb. ft.)		
	No load test	Amps		85
		Volts		4
		RPM (min.)		
Motor control	Switch (solenoid, manual)			Solenoid, Positive Engagement
	Starting procedure			

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MODEL			D-500	D-500 Power Package	D-500-1
ELECTRICAL—STARTING SYSTEM (cont.)					
Motor drive	Engagement type				
	Pinion meshes (front, rear)				
	Number of teeth	Pinion			
		Flywheel			
	Flywheel tooth face width				
ELECTRICAL—IGNITION SYSTEM					
Coil	Make				
	Model				
	Amps	Engine stopped			
		Engine idling			
Distributor	Make				
	Model		IBP-4002-D (A)	IBS-4005	
	Spark advance data (at distributor shaft)	Centr. advance start (rpm)	250 - 450 (a)	350 - 450	
		Centr. advance max. deg. @ rpm	8° - 10° at 2400 (b)	7° - 9° at 1200	
		Vacuum advance start (in. Hg.)	0° at 10" to 11" (c)	0° at 8.3" to 9.9"	
		Vac. adv. (max. deg. @ in. Hg.)	12° - 14° at 17.75" (d)	9° to 11.5° at 18"	
	Breaker gap (in.)				
	Cam angle (deg.)		29° - 32° (B)	36° - 39° (C)	
	Breaker arm tension (oz.)				
Timing	C/S deg. @ rpm				
	Mark location				
	Cylinder numbering system (see page 2)				
	Firing order (see page 2)				
Spark plug	Make and model		Auto-Lite AR-32	AGR-32	
	Thread (mm)				
	Tightening torque (lb. ft.)				
	Gap				
Cable	Conductor type				
	Insulation type				
	Spark plug protector				

ELECTRICAL—SUPPRESSION

Description	

(A) "After" cars only; "Up to" cars use Model IBK-4301-A with the following specifications:

(a) 300 - 400. (c) 1° at 7.5" to 9.0".
(b) 8.5° - 10.5° at 2400. (d) 10.5° - 12.5° at 17".

(B) "After" cars (single breaker) only; "Up to" cars - 36° - 39° (double breaker).
(C) Double Breaker.

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MAKE OF CAR DODGE **MODEL YEAR** 1957

MODEL D-500, D-500-1

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	
	Trip odometer (yes, no)	
Charge indicator—type		
Temperature indicator—type		
Oil pressure indicator—type		
Fuel indicator—type		
Ignition switch	Identify positions in order and circuits controlled	
	Provision for illumination	
	Location	
	Theft protection type	
Main lighting switch	Identify positions and lights controlled	
Other light switches	Locations and lamps controlled	
Other switches	Locations and devices controlled	
Windshield wiper	Make	
	Type	
	Vacuum booster provision	
	Washer provision	
Horn	Type	
	Number used	
	Amp draw (each)	

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MODEL D-500, D-500-1

ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-4030.
Indicate accessories which are not standard equipment by an asterisk following the numbers.

Headlamp		
Headlamp beam indicator		
Parking light		
Tail light		
Stop light		
Direction indicator	Front	
	Rear	
	Tell-Tale	
License plate light		
Instrument light		
Ignition lock light		
Map light		
Dome light		
Clock light		
Radio dial light		
Glove compartment light		
Courtesy light		
Trunk compartment light		
Other		

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 light: SFE-10 (a), Direction indicator: same as (a).

Headlamp	
Headlamp beam indicator	
Parking light	
Tail light	
Stop light	
Direction indicator	
License plate light	
Instrument light	
Ignition light	
Map light	
Dome light	
Clock	
Clock light	
Radio	
Glove compartment light	
Courtesy light	
Trunk compartment light	
Other	

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MODEL	D-500	D-500-1

DRIVE UNITS—CLUTCH (PEDAL OPERATED)

Make				
Type (dry or wet plate)				
In combination with fluid coupling (yes, no)				
Semi-centrifugal (yes, no)				
Type pressure plate springs				
Total plate pressure (lb.)				2349
No. of clutch driven discs				
Clutch facing	Material			
	Inside diameter			6.5
	Outside diameter			11.0
	Total eff. area (sq. in.)			123.7
	Thickness			
	Number required			
	Engagement cushioning method			
	Release bearing	Type		
		Method of lubrication		
	Torsional damping	Method (springs, other)		
		Frict. mat.		

DRIVE UNITS—TRANSMISSIONS

Conventional (std. or opt.)	
Conventional with overdrive (std. or opt.)	
Automatic (std. or opt.)	

DRIVE UNITS—CONVENTIONAL TRANSMISSION

Number of forward speeds		
Transmission ratios	In first	
	In second	
	In third	
	In fourth	
	In reverse	
Constant mesh gears in 2nd (yes, no)		
Spur gear used in (indicate speeds)		
Helical gears used in (indicate speeds)		
Synchronous meshing in 2nd and 3rd gears (yes, no)		

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MODEL D-500, D-500-1

DRIVE UNITS—CONVENTIONAL TRANSMISSION (cont.)

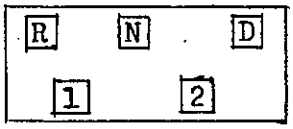
Lubricant	Capacity (pt.)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

DRIVE UNITS—CONVENTIONAL TRANSMISSION WITH OVERDRIVE

For transmission data see conventional transmission section

Overdrive	Type (planetary or other)		
	If planetary, No. of pinions		
	Manual lockout (yes, no)		
	Downshift accelerator control (yes, no)		
	Minimum cut-in speed		
	Gear ratio		
	Lubricant: Capacity (O.D. only)		
	Lubricant: Separate filter (yes, no)		
	Lubricant: Type recommended		
	Lubricant: SAE viscosity number	Summer	
		Winter	
		Ext. cold	

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	TorqueFlite
Type (fluid coupling with gears, torque convertor with gears, other)	
Manual selector positions, left to right (show symbols and define, e.g., N- Neutral)	
List gear ratios in each drive position (range)	R - Reverse - 2.20 N - Neutral - -- 1 - Low - 2.45 2 - Second - 1.45 D - Drive - 1.00
Shifting within drive position range by accelerator control and speed limiting governor (yes, no)	
By governor—forced shift (yes, no)	
Downshift of gears in high range possible up to (mph)	N/A

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MODEL			D-500	D-500-1
DRIVE UNITS—AUTOMATIC TRANSMISSION (cont.)				
Torque convertor	Number of elements			
	Max. ratio at stall at engine rpm		2.7 at 1870	N/A
	Mechanical lockup	Provided (yes, no)		
		Speed range		
		Releases at (speed range, mph)		
	Type of cooling (forced air, oil cooler and type, other)			
	Anti-creep device (yes, no)			
Lubricant	Capacity—refill (pt.)		18	
	Type recommended			
	Grade	Summer		
		Winter		
		Extreme cold		
DRIVE UNITS—PROPELLER SHAFT				
Number used				
Type (exposed, torque tube)				
Outer diameter x length* x wall thickness	Conventional trans.		3.5 x 59.02 x .065	3.5 x 58.96 x .065
	Overdrive trans.			
	Automatic trans.		3.25 x 58.96 x .065	3.5 x 58.96 x .065
Intermediate bearing	Type (plain, anti-friction)			
	Lubri. (fitting, prepack)			
Universal joints	Make			
	Number used			
	Type (ball and trunnion, cross, other)			
	Bearing	Type (plain, anti-friction)		
		Lubric. (fitting, prepack)		
Drive taken through (torque tube or arms, spring)				
Torque taken through (torque tube or arms, springs)				

*Centerline to centerline of joints or centerline of rear attachment point.

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MODEL			D-500	D-500-1
DRIVE UNITS—REAR AXLE				
Type (semi-floating, other)				
Gear type (hypoid, other)				
Gear ratio and No. of teeth	Conventional trans.		3.73 (41-11) (a)	3.73 (41-11) (b)
	Overdrive trans.			
	Automatic trans.		3.18 (35-11) (c)	
Pinion adjustment (shim, other)				
Pinion bearing adj. (shim, other)				
Lubricant	Capacity (pt.)			
	Type recommended			
	SAE viscosity number	Summer		
		Winter		
		Extreme cold		
DRIVE UNITS—WHEELS				
Type (disc, other)				
Rim (size and flange type)				15 x 6.5 L
Attachment	Type (bolt or stud)			
	Circle diameter			5.5
	Number and size			5, 9/16 x 18 NF
DRIVE UNITS—TIRES				
Size and ply rating	Standard			7.60 x 15
	Optional			---
Rev/mile at 30 mph				728
Inflation press. (cold)	Front			24
	Rear			24
BRAKES—SERVICE				
Type				
Booster type				
Effective area (sq. in.)				251
Percent brake effectiveness—rear				40
Drum	Diameter	Front		12
		Rear		12
	Type and material			Centrifuse

(a) Optional ratios - 3.54 (39-11) and 3.91 (43-11).

(b) Optional ratios - 2.92 (38-13), 3.18 (35-11), 3.36 (37-11), 3.54 (39-11), 3.73 (41-11), 3.91 (43-11), 4.1 (41-10), 4.3 (43-10), 4.56 (41-9), 4.89 (44-9), 5.12 (41-8), 5.38 (43-8), 5.83 (35-6), and 6.17 (37-6).

(c) Optional ratios - 3.36 (37-11), and 3.54 (39-11).

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MAKE OF CAR DODGE **MODEL YEAR** 1957

MODEL					D-500	D-500-1
BRAKES—SERVICE (cont.)						
Brake lining	Bonded or riveted					
	Primary	Material				
		Size (length x width x thickness)	Front wheel			12.6 x 2.5 x .20
			Rear wheel			12.6 x 2.5 x .20
		Segments per shoe				
	Secondary	Material				
		Size (length width x thickness)	Front wheel			12.6 x 2.5 x .20
			Rear wheel			12.6 x 2.5 x .20
		Segments per shoe				
Wheel cylinder bore	Front					
	Rear					
Master cylinder bore						
Available pedal travel						
Line pressure at 100 lb. pedal load						750 (a)
Shoe clearance adjustment						
BRAKES—PARKING						
Type of control						
Location of control						
Operates on						
If separate from service brakes	Type (internal or external)					
	Drum diameter					
	Lining size (length x width x thickness)					
FRAME						
Type and description						
FRONT SUSPENSION						
Type and description						

(a) With Power Brakes - 1100 psi.

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MODEL			D-500	D-500-1

FRONT SUSPENSION (cont.)

	Type			
	Material			
Spring	Size (length x width x No. leaves or coil I.D.)			Length - 44.6 Diameter - 1.09
	Spring rate (lb. per in.)			
	Rate at wheel (lb. per in.)			N/A
	Normal load (lb. @ rated length)			
Shock absorbers	Manufacturer			
	Type (direct or lever)			Direct (Heavy Duty)
	Piston diameter			
Stabilizer	Type (link, linkless, frameless)			
	Material			

STEERING

Type used (Standard or optional)		Mechanical			
		Power			Not Available
Wheel diameter					
Turning diameter	Outside front	Wall to wall (r. & l.)			
		Curb to curb (r. & l.)			
	Inside rear	Wall to wall (r. & l.)			
		Curb to curb (r. & l.)			
Inside wheel angle with outside wheel at 20°					
Mechanical	Gear	Type			
		Make			
		Ratios	Gear		
			Overall		23.0
	No. wheel turns				4.1
Power	Type				--
	Make				--
	Trade name				--
	Gear	Type			--
		Ratios	Gear		--
			Overall		--
	Pump driven by				--
	Overall torque ratio				--
	Number wheel turns				--
Linkage	Type				
	Location (front or rear of wheels)				
	Drag link (trans. or long) Tie rods (one or two)				

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MAKE OF CAR DODGE **MODEL YEAR** 1957

MODEL			D-500	D-500-1
STEERING (cont.)				
Kingpin	Inclination at camber (deg.)			
	Diameter			
	Bearings (type)	Upper		
		Lower		
		Thrust		
Wheel alignment (range and preferred)	Caster (deg.)			
	Camber (deg.)			
	Toe-in (outside tread-inches)			
Steering knuckle type				
Wheel spindle	Diameter	Inner bearing		1.375
		Outer bearing		.844
	Thread size			
	Bearing type			
REAR SUSPENSION				
Type				
Drive and torq. taken through (see page 14)				
Spring	Type			
	Material			
	Size (length x width x No. leaves or coil I.D.)			55 x 2.5 x 7
	Spring rate (lb. per in.)			144 - 156
	Rate at wheel (lb. per in.)			N/A
	Normal load (lb. at rated length)			
	Mounting insulation type			
	If leaf	No. of leaves		7
		Covers (yes, no)		
		Lubricated (yes, no)		
		Inserts: Type and size		
		Inserts: Material		
		Shackle (comp. or tens.)		
Shock absorbers	Manufacturer			
	Type (direct or lever)			Direct (Heavy Duty)
	Piston diameter			1-3/8
Stabilizer	Type (link, linkless, frameless)			
	Material			
Track bar type				

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AKE OF CAR DODGE MODEL YEAR 1957

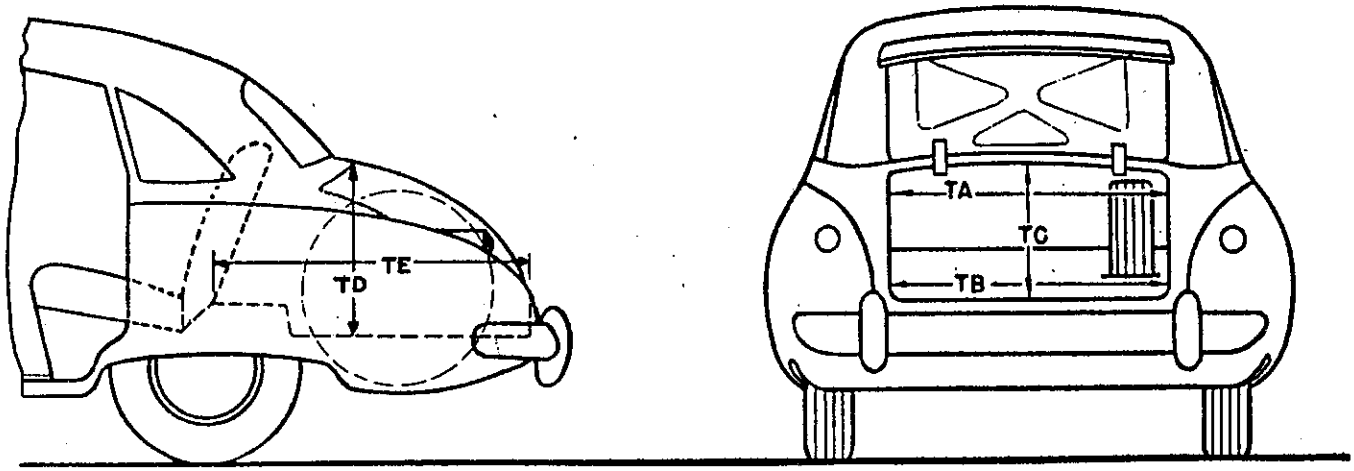
BODY—GENERAL DEFINITIONS

NOTE: Included in the dimension definitions listed on this and the following pages are those which have been proposed for adoption by the SAE. 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 Sub-Committee for inclusion in the Questionnaire. These are shown by an additional letter, e.g., HA. The dimensions are developed from the following basic points:

1. Front and rear seat "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
2. Front seat is in the rear position.
3. Loaded position—5 passengers, front 300 lb., rear 450 lb., includes spare wheel, tire and tools, and full complement of gas, oil, water, etc. and tires to recommended pressure, etc.
4. C. L. (centerline).
5. D. L. O. (daylight opening, exposed glass dimension).
6. Ramp breakover angle (page 20-A) is the supplement of the included ramp angle (180° minus the included ramp angle) over which a car can pass without hanging up.

MODEL	D-500	D-500-1 (a)

BODY—TRUNK OPENING DIMENSIONS



TA—Width across the top	
TB—Width across the bottom	
TC—Diagonal dimension at CL from top of opening to bottom	
TD—Vertical height of opening (floor to top, inside edge of opening)	
TE-Max. horizontal depth (forward from vertical projection of inside edge of opening)	
Position of spare tire stowage	
Method of holding lid open	

(a) Club Sedan dimensions used on following pages.

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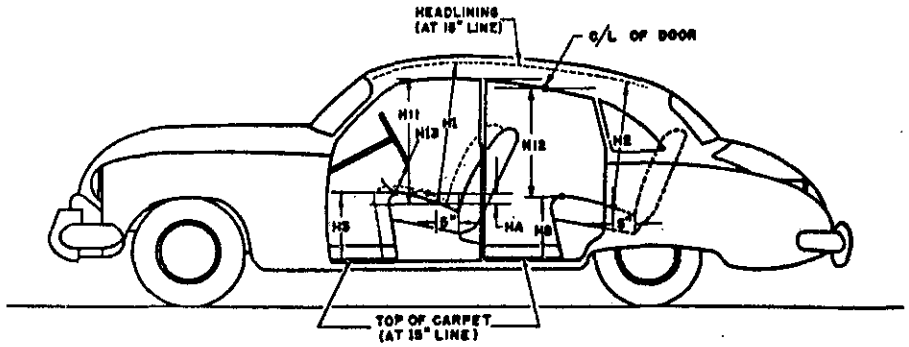
MAKE OF CAR DODGE MODEL YEAR 1957

MODEL	D-500	D-500-1

BODY—HEIGHT DIMENSIONS—INTERIOR



H1. Front headroom—from "A" pt. to headlining at 8° back of vertical on 15" line. (For "A" pt. see note 1, page 19)		
H2. Rear headroom—from "A" pt. to headlining at 8° back of vertical on 15" line.		
H3. Front seat height to floor carpet on 15" line (front edge of cushion).		
H8. Rear seat height to floor carpet on 15" line (front edge of cushion).		
H11. Entrance—front—cushion "A" point to bottom windcord vertical.		
H12. Entrance—rear—top of cushion to bottom windcord vertical at C/L of rear door.		---
H13. Steering wheel clearance to seat cushion taken on arc.		
HA. Front seat vertical rise at "A" pt. (inches.)		

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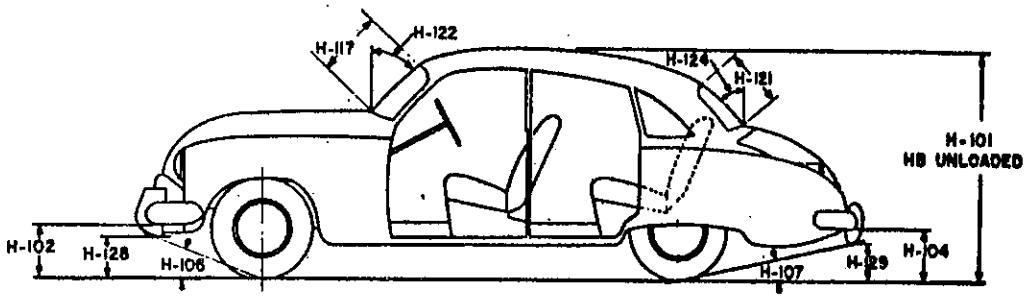
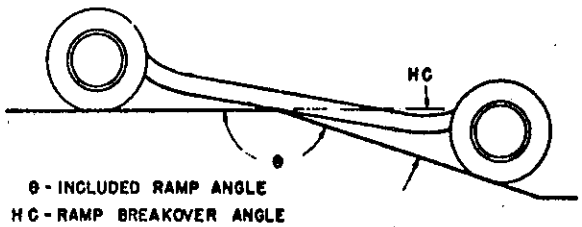
MAKE OF CAR DODGE MODEL YEAR 1957

MODEL	D-500	D-500-1

BODY—HEIGHT DIMENSIONS—EXTERIOR





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

H101. Overall height.		56.1
HB. Overall height—unloaded.		57.7
H102. Front bumper bottom to ground at normal section.		12.4
H104. Rear bumper bottom to ground at normal section.		10.6
H106. Angle of approach—from the tire rolling radius to lowest point on front bumper or guard.		20.6
H107. Angle of departure—from the tire rolling radius to lowest point on rear bumper or guard.		9.1
HC. Ramp breakover angle.*		9.2
H117. Windshield DLO-slant height.		
H121. Backlight DLO*—Max., slant height.		
H122. Windshield slope angle to vertical line on car axis.		
H124. Backlight slope angle to vertical line on car axis.		
H128. Ground to bottom of front bumper guard.		12.4
H129. Ground to bottom of rear bumper guard.		16.3
HD. Min. road clearance (location and dimension).		4.8 (Frame Side Member)
HE. Min. road clearance at rear axle.		

*See Notes, page 19.

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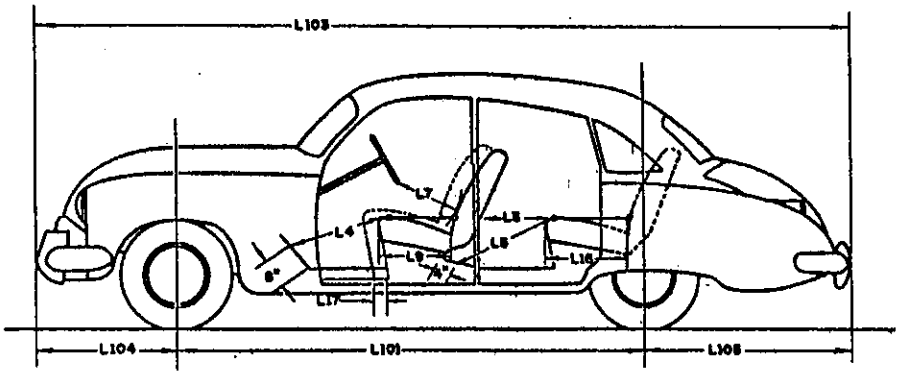
MAKE OF CAR DODGE **MODEL YEAR** 1957

MODEL D-500, D-500-1

BODY—LENGTH DIMENSIONS



Interior	**L3.** Rear compartment back of front seat back to rear seat back.	
	L4. Leg room—front—diagonal—ball of foot to top of seat to front seat back—15" line.	
	L5. Leg room—rear—diagonal—from ball of foot to top of rear seat cushion and to seat back.	
	L7. Steering wheel clearance to seat back taken on arc.	
	L9. Front seat depth (front edge to vert. tan. to seat back on 15" line).	
	L16. Depth of rear seat (front edge to seat back).	
	L17. Total adjustment of front seat at floor.	
Exterior	**L101.** Wheel base.	
	L103. Overall length (bumper to bumper inc. guards).	
	L104. Overhang—front including bumper guards.	
	L105. Overhang—rear including bumper guards.	

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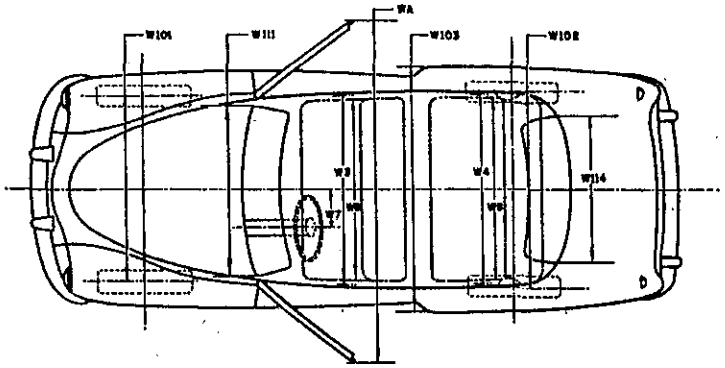
MAKE OF CAR DODGE MODEL YEAR 1957

MODEL	D-500	D-500-1

BODY—WIDTH DIMENSIONS



Interior	W3. Front shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.		
	W4. Rear shoulder room, at garnish moulding 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 to center of body.		
Exterior	W101. Front tread at ground.		61.7
	W102. Rear tread at ground.		59.5
	W103. Max. overall width of car including bumpers or mouldings.		
	WA. Max. overall width of car with doors open.		167.4
	W111. Windshield DLO, max. width.		
	W114. Back window DLO, max. width.		

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AKE OF CAR DODGE MODEL YEAR 1957

MODEL	D-500	D-500-1

BODY—MISCELLANEOUS INFORMATION

Doors hinged (front, rear)	Front		
	Rear		
Type of finish (lacquer, enamel)			
Hood opening (front, side; semi-full, full, half)			
Hood counterbalanced (yes, no)			
Hood release control (internal, external)			
Vent window control method (crank, friction, pivot).			
Windshield (one piece, two piece; curved, flat)			
Rear window type (one piece, two piece, three piece; curved, flat)			
Windshield glass area			
Backlight glass area			
Total glass area			4224

BODY—TYPES AND STYLE NAMES

Body type, number of passengers, and style names (use letter code shown below followed by passenger capacity and style name e.g., N-6 Ranchwagon)		D-6 2-Door Sedan
		L-6 Convertible Coupe

Body type code

A—Coupe—2 door flatback
B—Coupe—2 door notchback
C—Sedan—2 door flatback
D—Sedan—2 door notchback
E—Sedan—4 door flatback (4 windows)
F—Sedan—4 door flatback (6 windows)
G—Sedan—4 door notchback (4 windows)
H—Sedan—4 door notchback (6 windows)
J—Hardtop—2 door
K—Hardtop—4 door
L—Convertible—2 door
M—Convertible—4 door
N—Station wagon—2 door
P—Station wagon—4 door
Q—Combined passenger and utility—2 door
R—Combined passenger and utility—4 door
S—Sedan delivery
T—Limousine

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