AUTOMOBILE MANUFACTURERS ASSOCIATION
CONSOLIDATED SPECIFICATION QUESTIONNAIRE

MAKE OF CAR:	DODGE	MODEL NAME	SYMBOL
COMPANY:	Dodge Division Chrysler Corporation Detroit 31, Michigan	Coronet - (6-Cyl)..	D-56-1
		Coronet - (V-8)....	D-55-1
		Royal - (V-8)....	D-55-2
		Custom Royal - (V-8)....	D-55-3
MODEL YEAR: 1955	DATE 11-1-54		

Rev: 3-62

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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		D-56-1	D-55-1	D-55-2	D-55-3
Wheelbase		120			
Tread	Front	58.9			
	Rear	59.1			
Maximum Overall Dimensions	Length (L-103)	212.1			
	Width (W-103)	74.5			
	Height (H-101)	60.3	60.6		
Steering ratio—overall		22.5		27.1	
Turning diameter (curb to curb)		42' 10"	42' 3"		
Shipping weight*		3295	3425		3485
Transmission—(Specify standard, optional, not avail.)	Conventional	Standard			
	Overdrive	Optional			
	Automatic	Optional			
Axle ratio	Conventional	3.9	3.73		
	Overdrive	4.3	4.1		
	Automatic	3.73	3.54		
Tire size		6.70 x 15	7.10 x 15		
Engine	Type	In-Line	90° V		
	No. of cylinders	6	8		
	Valve arrangement	"L" Head	OHV Lateral		OHV Laterally Incl.
	Bore and stroke	3.25 x 4.63	3.63 x 3.256		
	Piston displacement, cu. in.	230	270		
	Standard compression ratio	7.4 to 1	7.6 to 1		
	Maximum bhp at engine rpm	123 at 3600	175 at 4400 (a)		183 at 4400 (a)
	Maximum torque at rpm	194 at 1600	240 at 2400 (a)		245 at 2400 (a)

*Standard car weight, not including gas and water.

(x)(a) With Special Equipment Power Package (Using D-55-3 Engine):
193 bhp at 4400 rpm
245 lb-ft at 2800 rpm

(x) Revised: 4-8-55

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MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL	D-56-1	D-55-1, D-55-2	D-55-3

ENGINE—GENERAL

Type	V, In-line, other		In-Line	V	
	Angle of V		---	90°	
No. of cylinders			6	8	
Valve arrangement			"L" Head	OHV Lateral	
Bore and stroke			3.25 x 4.63	3.63 x 3.256	
Piston displacement, cu. in.			230	270	
Numbering system (front to rear)	L. Bank		---	1-3-5-7	
	R. Bank		---	2-4-6-8	
Firing order			1-5-3-6-2-4	1-8-4-3-6-5-7-2	
Compression ratio	Standard Head		7.4 to 1	7.6 to 1	
	Optional Head		---		
Cylinders	Head Material	Standard	Cast Iron		
		Optional	---		
	Sleeve—Wet, dry, other, none		None		
Number of mounting points		Front	One		
		Rear	Two		
Taxable horsepower	(Dia.² x No. Cyl.) / 2.5		25.4	42.2	
Advertised max. brake horsepower at engine RPM*	Standard head		123 at 3600	175 at 4400 (a)	183 at 4400 (a)
	Optional head		---		
	With fuel (Octane and method)	Standard Head	85 Motor		
		Optional Head	---		
Max. torque (lb. ft. @ RPM)	Standard head (x)		194 at 1600	240 at 2400 (a)	245 at 2400 (a)
	Optional head		---		
Recommended idle speed (neutral)			450-500		

ENGINE—PISTONS

Material			Aluminum Alloy	
Description and finish			U-Slot, Elliptically -Turned, Tin Plated	Thermally Controlled by Steel Band, Elliptically-Turned, Tin Plated
Weight (piston only) oz.			15.8	16.2
Clearance	Top land		.030	.030
	Skirt	Top (x)	---	.001
		Bottom (x)	.0007(3/4" from bottom)	---
Ring groove depth	No. 1 ring		.169	.188
	No. 2 ring		.169	.188
	No. 3 ring		.172	.188
	No. 4 ring		.172	---

*Corrected as defined by SAE Engine Test Code, with the following standard power consuming accessories: Generator, Water Pump, Manifolds, Fuel Pump. Manual Spark Advance, Manifold Heat Off.

(x) (a) With Special Equipment Power Package (Using D-55-3 Engine):
193 bhp at 4400 rpm
245 lb-ft at 2800 rpm

(x) Revised: 4-8-55

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MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL			D-56-1	D-55-1, D-55-2	D-55-3
ENGINE—RINGS					
Type (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.		Oil	---	
No. rings above piston pin			4	3	
Compression	Material		Piston Ring Iron		
	Coating		Upper (#1) Chromium Intermediate (#2) Tin	Tin	
	Width		.094	.078	
	Gap		.015	.015	
	Maximum wall thickness		.162	.173	
Oil	Material		Piston Ring Iron		
	Coating		None		
	Width		.156	.186	
	Gap		.015	.015	
	Maximum wall thickness		.150	.135	
Location of expanders			None	On No. 3 Ring	
ENGINE—PISTON PINS					
Material			High Manganese Steel		
Length			2.746	2.88	
Diameter			.859		
Type	Locked in rod, in piston, floating, etc.		Floating		
	Bushing	In rod or piston	Rod		
		Material	Bronze on Steel		
Clearance	In piston		0 to .0005		
	In rod		.0001 - .0002	.0001 - .0004	
Direction offset in piston			None	Right .06	
ENGINE—CONNECTING RODS					
Material			High Manganese Forging Steel		
Weight (oz.)			27.9	21.2	
Length (center to center)			7.81	5.94	
Bearing	Material		Lead Base Babbitt on Steel		
	Type (cast-in or removable)		Removable Precision		
	Effective length		.93	.81	
	Clearance		.0005 - .0015 (Desired)		
	End play		.006 - .011	.006 - .014 (2 Rods)	
ENGINE—CRANKSHAFT					
Material			Drop Forged Steel		
Weight (lb.)			N/A		

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MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL			D-56-1	D-55-1, D-55-2	D-55-3
ENGINE—CRANKSHAFT (cont.)					
Vibration damper type			Rubber Dynamic	None	
End thrust taken by bearing (No.)			#4 (Rear)	#3	
Crankshaft end play			.003 to .007	.002 to .007	
Main bearing	Material		Lead Base Babbitt on Steel		
	Type (cast-in or removable)		Removable Precision		
	Clearance		.0005 to .0015		
	Journal dia. and bearing effective length	No. 1	2.50 x 1.20	2.38 x .81	
		No. 2	2.50 x 1.00	2.38 x .81	
		No. 3	2.50 x 1.00	2.38 x .81	
		No. 4	2.50 x 1.59	2.38 x .81	
		No. 5	---	2.38 x 1.53	
		No. 6	---		
		No. 7	---		
	Direction offset from cyl. bore		Right	None	
Connecting rod crankpin journal diameter			2.06	1.94	
ENGINE—CAMSHAFT					
Material			Special Cast Iron With Cams, Distributor and Oil Pump Drive Gear Cast Integrally		
Bearings	Material		(a)	Lead Base Babbitt on Steel	
	Number		4	5	
Type of drive	Gear or chain		Silent Chains		
	Crankshaft gear or sprocket material		High Manganese Steel		
	Camshaft gear or sprocket material		Cast Iron		
	Timing chain	Make	---		
		No. of links	48	68	
		Width	1.0	1.12	
		Pitch	.50	.38	
ENGINE—VALVE SYSTEM					
Hydraulic lifters (yes, no)			No	Yes	
Special provision for valve rotation (intake, exhaust) (x)			No	Low Friction Valve Locks	No
Rocker ratio			---	1.5 to 1	
Operating tappet clearance (indicate hot or cold)	Intake		.010 Hot	0	
	Exhaust		.010 Hot	0	
Tappet clearance for timing	Intake		.014	Valve Train Solid	
	Exhaust		.014	Valve Train Solid	
Timing marks on fly-wheel, damper, other			Vibration Damper	Crankshaft Drive Pulley	

(a) Bearings #1, #2, #3 Lead Base Babbitt on Steel; #4 is Cast Iron

(x) Revised: 4-8-55

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MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL			D-56-1	D-55-1, D-55-2	D-55-3
ENGINE—VALVE SYSTEM (cont.)					
Timing	Intake	Opens (°BTC)	12 BTC	14 BTC	
		Closes (°ABC)	44 ABC	50 ABC	
	Exhaust	Opens (°BBC)	50 BBC	52 BBC	
		Closes (°ATC)	6 ATC	12 ATC	
Intake	Material		Silicon Chromium Steel		
	Overall length		4.84	4.25	4.83
	Actual overall head dia.		1.53	1.72	1.75
	Angle of seat		45°		
	Seat insert material		---		
	Stem diameter		.34	.37	
	Stem to guide clearance		.002		
	Lift		.365	.360	
	Outer spring press. and length	Valve closed (lb. @ in.)	42 at 1.75	53 at 1.69	40 at 1.69
		Valve open (lb. @ in.)	115 at 1.38	140 at 1.31	105 at 1.31
	Inner spring press. and length	Valve closed (lb. @ in.)	---		25 at 1.56
		Valve open (lb. @ in.)	---		42 at 1.19
Exhaust	Material		XCR Chromium Nickel Steel		
	Overall length		4.84	4.20	4.75
	Actual overall head dia.		1.41	1.47	1.41
	Angle of seat		45°		
	Seat insert material (x)		Alloy Cast Iron	---	Alloy Cast Iron
	Stem diameter		.34	.37	
	Stem to guide clearance		.004	.003	
	Lift		.365	.360	
	Outer spring press. and length	Valve closed (lb. @ in.)	42 at 1.75	53 at 1.69	40 at 1.69
		Valve open (lb. @ in.)	115 at 1.38	140 at 1.31	105 at 1.31
	Inner spring press. and length	Valve closed (lb. @ in.)	---		25 at 1.56
		Valve open (lb. @ in.)	---		42 at 1.19

ENGINE—LUBRICATION SYSTEM

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

(x) Revised: 4-8-55

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MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL	D-56-1	D-55-1, D-55-2	D-55-3

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Rotary		
Normal oil pressure (lb. @ rpm)	40 to 45 at 1500	50 to 65 at 1500	
Oil pressure gage type (electric or mechanical)	Mechanical		
Type oil intake (floating, stationary)	Floating		
Oil filter type (full flow, partial flow)	By-Pass Type Replaceable Element	Shunt Type Replaceable Element	
Capacity of crankcase, less filter—refill (qt.)	5		
Oil grade recommended (SAE viscosity and temperature range)	Not Lower Than +32° F ..... SAE 30 As Low As +10° F ..... SAE 20W As Low As -10° F ..... SAE 10W Below -10° F ..... SAE 5W		
Oil type recommended	No Recommendation		

ENGINE—FUEL SYSTEM

Recommended fuel	Standard head		Regular		
	Optional head		---		
Fuel Tank	Capacity (gals.)		17		
	Filler Location		Right Rear Fender		
Fuel Filter	Type		Oilite		
	Location		Fuel Tank		
Fuel pump	Type (elec. or mech.)		Mechanical		
	Location		Right Front of Engine		
	Pressure range		4.0 to 6.5	5.0 to 6.5	
	Vacuum booster (std., optl., none)		None		
Carburetor	Make		Stromberg		
	Model number		WW3-124	WW3-131 (a)	WW3-120 (a)
	Number used		One		
	Type	Downdraft, side inlet, other	Downdraft		
		Single or dual	Dual		
	Intake manifold heat control (manual, auto., none)		Automatic		
	Automatic choke type (integral, other)		Integral		
	Air cleaner type	Standard	Oil Bath		
		Optional	---		

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Single	Single with Cross-Over (a)
Muffler type (rev. flow, str. thru, sep.resonator)		Reverse Flow	
Exhaust pipe dia.	Branch	---	1.9
	Main	2	2.2
Tail pipe diameter		1.8	2

(a) With Special Equipment Power Package: Carter 4-Barrel Model WCFB-2253S carburetor and dual exhaust system.

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MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL			D-56-1	D-55-1, D-55-2	D-55-3
ENGINE—COOLING SYSTEM					
Type (pressure system, atmospheric, other)			Pressure-Vent		
Radiator cap relief valve press.			7 psi (a)		
Circulation thermostat	Type (choke, bypass)		Choke; Permanent By-Pass		
	Starts to open at		160° to 165° F		
Water pump	Type (centrifugal, other)		Centrifugal		
	Number of pumps		One		
	Drive (V-belt, other)		V-Belt		
	Bearing type (x)		Bushing	Bushing (b)	
By-pass recirculation type (internal, external)			Internal		
Radiator core type (cellular, tube and fin)			Cellular		
Cooling system capacity	With heater (qt.)		14	20	
	Without heater (qt.)		13	19	
Water jackets full length of cylinder (yes, no)			Yes		
Water all around cylinder (yes, no)			No	Yes	
Radiator hose	Lower	Number and type (molded, straight)	One, Molded		
		Inside diameter and length	1.5, Curved		
	Upper	Number and type (molded, straight)	One, Molded		
		Inside diameter and length	1.8, Curved		
	By-pass	Number and type (molded, straight)	None		
		Inside diameter and length	---		
Drive belts	Fan	Number used	One	One (a) (c)	Two (a)
		Angle of V	36°		
		Outside length	49	63.8	38
		Width	.38		
	Generator	Angle of V	Same as Fan Belt		36°
		Outside length	---		38
		Width	---		.38
Fan	Number of blades and spacing		Six - 60°, 45° and 75°	Four - 76° and 104° (a)	
	Diameter		17 (a)	18	
	Ratio—fan to crankshaft revolutions		.90 to 1	.95 to 1	
	Bearing type		See Water Pump		

(a) With Air Conditioning, the following data apply to all D-55 models:
Water Pump - Number Used: One
Drive Belts - Number Used: Three
Fan: Six Blades - 18" Diameter

(b) For "up to" cars; "after" cars use unit ball bearings

(c) Two Drive Belts used with Power Steering for D-55-1 and D-55-2.

(x) Revised: 4-8-55

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MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL			D-56-1	D-55-1, D-55-2	D-55-3
ELECTRICAL—SUPPLY SYSTEM					
Battery	Make and Model		Auto-Lite 1H-105-D, or Willard HW-1-105-C (a)		
	Voltage Rtg. & Plates/cell		6V, 15		
	SAE Designation & Amp Hr. Rtg		1H, 105 (a)		
	Location		Under Hood Left Side		
	Terminal grounded		Positive		
Generator	Make		Auto-Lite		
	Model		GGW-6001	GGW-6012	GGW-6001
	Type		Shunt Wound		
	Ratio—Gen. to Cr/s rev.		1.96 to 1		
Regulator	Make		Auto-Lite		
	Model		VBE-6001-A		
	Type		Current and Voltage Control		
	Cutout relay	Closing voltage @ generator rpm	6.3 to 6.8 at 1000		
		Reverse current to open	4.1 to 4.8		
	Regulated	Voltage	7.1 to 7.4		
		Current	45 to 57 (b)		
	Min. Gen. rpm required		1000 Hot		
	Voltage test conditions	Temperature	70°		
		Load	Run 15 Min at 10 Amp		
		Other	---		
ELECTRICAL—STARTING SYSTEM					
Starting motor	Make		Auto-Lite		
	Model		MCH-6305	MCH-6206	
	Rotation (drive end view)		Clockwise		
	Engine cranking speed		35-110 rpm		
	Test conditions		SAE 5W at -20° F and SAE 30 with completely warmed engine		
	Lock test	Amps	335		
		Volts	2		
		Torque (lb. ft.)	6.0		6.5
	No load test	Amps	50 - 65		
		Volts	5		
		RPM (min.)	4300		
Motor control	Switch (solenoid, manual)		Bendix (Anti-Kickout)		
	Starting procedure		Turn Ignition Key Beyond "Ignition On" Position		

(a) D-56 cars with PowerFlite Transmission have a 2H-120-D Battery; SAE Designation, 2H; Amp Hr. Rating 120

(b) High value denotes initial, temporary capacity rating. By-Metal hinge reduces output to lower value after warm-up period.

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MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL			D-56-1	D-55-1, D-55-2	D-55-3

ELECTRICAL—STARTING SYSTEM (cont.)

Motor drive	Engagement type		Bendix
	Pinion meshes (front, rear)		Front
	Number of teeth	Pinion	9
		Flywheel	146
	Flywheel tooth face width		.375

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Auto-Lite		
	Model (x)		CR-6012C		
	Amps	Engine stopped	5		
		Engine idling	2.25		
Distributor	Make		Auto-Lite		
	Model		IAT-4101-B	(b)	IAZ-4003-F (c)
	Spark advance data (at distributor shaft)	Centr. advance start (rpm)	350 - 500 (x)	300 - 400	
		Centr. advance max. deg. @ rpm	7°-9° at 1350	(d)	11°-13° at 1625
		Vacuum advance start (in. Hg.)	1° at 5.5" - 6.5" hg		
		Vac. adv. (max. deg. @ in. Hg.)	7°-9° at 14" hg	(e)	6°-8° at 11" hg (f)
	Breaker gap (in.)		.020	.017	
	Cam angle (deg.)		39° ± 3°	32° - 36° (a) (x)	
	Breaker arm tension (oz.)		17-20		
Timing	C/S deg. @ rpm		2° BTC	4° BTC	
	Mark location		Vibration Damper	Fan Drive Pulley	
	Cylinder numbering system (see page 2)		---	Left Bank: 1-3-5-7 Right Bank: 2-4-6-8	
	Firing order (see page 2)		1-5-3-6-2-4	1-8-4-3-6-5-7-2	
Spark plug	Make and model		Auto-Lite Resistor 4S-140	Auto-Lite Resistor 4S-165	
	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 (x)		Neoprene Cover		Enclosed Tubes, Covered

ELECTRICAL—SUPPRESSION

Description	Spark Plugs - 10,000 ohm Resistor (Integral) Distributor - 10,000 ohm Resistor (Integral)

(a) Total dwell for two breakers: dwell for each breaker is 26°-28°
(x) Revised: 4-8-55
(b) Early cars - IAZ-4003-C; "between" cars - IAZ-4003-E; late cars - IAZ-4003-G.
(c) "After" cars only; "Up to" cars - IAZ-4003-D.
(d) Early & "between" cars - 17° - 19° @ 1900; late cars - 15° - 17° @ 1650.
(e) Early cars - 10.5° - 12.5° @ 17" hg; between cars - 6° - 8° @ 8.5" hg; late cars - 3°-5° @ 8.5" hg.
(f) "After" cars only; "Up to" cars - 10.5° - 12.5° @ 17" hg.

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MAKE OF CAR DODGE MODEL YEAR 1955

MODEL	D-56-1	D-55-1, D-55-2	D-55-3

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speedometer	Make	Auto-Lite
	Trip odometer (yes, no)	No
Charge indicator—type		Ammeter
Temperature indicator—type		Electric, Magnetic
Oil pressure indicator—type		Bourdon Tube
Fuel indicator—type		Electric, Magnetic
Ignition switch	Identify positions in order and circuits controlled	Center ..... Off 1st Position Clockwise ..... All Circuits On 2nd Position Clockwise ..... Starter Only 1st Position Counterclockwise .... Accessory Circuit Only
	Provision for illumination	Yes
	Location	Right of Steering Column
	Theft protection type	None
Main lighting switch	Identify positions and lights controlled	Left Position ..... Off 1st Position Clockwise ..... Instruments, Tail, Parking, and Ignition Lamps 2nd Position Clockwise ..... Instruments, Head, Tail, and License Lamps
Other light switches	Locations and lamps controlled	Rotary, Variable, left of steering column on instrument panel --all instrument lights integral manual in dome lamp. Right "A" and "B" post automatic switches. (a) (c) (b)
Other switches	Locations and devices controlled	Windshield wiper switch, single speed, right of steering column on instrument panel. Heater motor switch and defroster motor switch left of steering column. Rotary variable type
Windshield wiper	Make	Auto-Lite or Redmond
	Type	Electric
	Vacuum booster provision	None
	Washer provision	None
Horn	Type	Vibrator, Sea Shell
	Number used	Two
	Amp draw (each)	15 Amp

(a) Available on D-55-1, D-55-2, D-56-1, D-56-2.
(b) Four automatics and integral manual in map lamp.
(c) Lights located above junction of door and quarter window, both sides for Special Club Coupe.

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MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL	D-56-1	D-55-1, D-55-2	D-55-3

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		2-2422		
Headlamp beam indicator		1-55		
Parking light		2-63	2-63	2-1154
Tail light		2-1154		
Stop light		2-1154		
Direction indicator	Front	2-1154*		2-1154
	Rear	2-1154*		2-1154
	Tell-Tale	1-55 *		1-55
License plate light		2-63		
Instrument light		2-55		
Ignition lock light		1-51		
Map light		1-88 *		
Dome light		1-210		
Clock light		1-55 *		
Radio dial light		1-55 *		
Glove compartment light		1-55 *		1-55
Courtesy light		2-1130		
Trunk compartment light		1-87 *		
Other				
Speedometer		2-55		
Back-Up Lamp		2-1129*		2-1129
Under-Hood				

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	25 C. B. (a)
Headlamp beam indicator	Same as (a)
Parking light	Same as (a)
Tail light	10 C. B. (b)
Stop light	10 C. B. (c)
Direction indicator	None
License plate light	Same as (b)
Instrument light	Same as (b)
Ignition light	Same as (a)
Map light	None
Dome light	Same as (c)
Clock	SFE-3
Clock light	Same as (b)
Radio	SFE-14
Glove compartment light	Same as (c)
Courtesy light	Same as (c)
Trunk compartment light	Same as (c)
Other	
Back-Up Lamp	10 C. B. (Same as Windshield Wiper)

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MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL	D-56-1	D-55-1, D-55-2	D-55-3

DRIVE UNITS—CLUTCH (PEDAL OPERATED)

Make			Borg & Beck or Auburn	Borg & Beck
Type (dry or wet plate)			Dry	
In combination with fluid coupling (yes, no)			No	
Semi-centrifugal (yes, no)			No	
Type pressure plate springs			Coil	
Total plate pressure (lb.)			(a)	1639
No. of clutch driven discs			One	
Clutch facing	Material		Molded, Woven, Asbestos	
	Inside diameter		6	
	Outside diameter		9-1/4	10
	Total eff. area (sq. in.)		77.8	100.5
	Thickness		.125 (b)	.125
	Number required		Two	
	Engagement cushioning method		Springs, Flat, Crimped	
	Release bearing	Type	Ball	
		Method of lubrication	Sealed	
	Torsional damping	Method (springs, other)	Coil Springs	
		Frict. mat.	---	

DRIVE UNITS—TRANSMISSIONS

Conventional (std. or opt.)	Standard
Conventional with overdrive (std. or opt.)	Optional
Automatic (std. or opt.)	Optional - PowerFlite

DRIVE UNITS—CONVENTIONAL TRANSMISSION

Number of forward speeds		Three
Transmission ratios	In first	2.57
	In second	1.83
	In third	1.00
	In fourth	---
	In reverse	3.48
Constant mesh gears in 2nd (yes, no)		Yes
Spur gear used in (indicate speeds)		None
Helical gears used in (indicate speeds)		All Speeds
Synchronous meshing in 2nd and 3rd gears (yes, no)		Yes

(a) Borg and Beck: Up to Cars, 1411; After Cars, 1389
Auburn: 1412

(b) Auburn, .115"

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MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL	D-56-1	D-55-1, D-55-2	D-55-3

DRIVE UNITS—CONVENTIONAL TRANSMISSION (cont.)

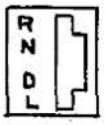
Lubricant	Capacity (pt.)		2-3/4
	Type recommended		Engine Oil
	SAE viscosity number	Summer	SAE 10W
		Winter	SAE 10W
		Extreme cold	SAE 10W

DRIVE UNITS—CONVENTIONAL TRANSMISSION WITH OVERDRIVE

For transmission data see conventional transmission section

Overdrive	Type (planetary or other)			Planetary	
	If planetary, No. of pinions			Three	
	Manual lockout (yes, no)			Yes	
	Downshift accelerator control (yes, no)			Yes	
	Minimum cut-in speed			25	26
	Gear ratio			0.7	
	Lubricant	Capacity (O.D. only)		3/4 pt	
		Separate filter (yes, no)		No	
		Type recommended		Engine Oil	
		SAE viscosity number	Summer	SAE 10W	
			Winter	SAE 10W	
			Ext. cold	SAE 10W	

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	PowerFlite
Type (fluid coupling with gears, torque convertor with gears, other)	Torque Converter with Gears
Manual selector positions, left to right (show symbols and define, e.g., N- Neutral)	 Reverse Neutral Drive Low
List gear ratios in each drive position (range)	R - Reverse ..... 2.39 N - Neutral ..... --- D - Drive ..... 1.72 and 1.00 L - Low 1.72
Shifting within drive position range by accelerator control and speed limiting governor (yes, no)	No
By governor—forced shift (yes, no)	Yes
Downshift of gears in high range possible up to (mph)	55

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MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL			D-56-1	D-55-1, D-55-2	D-55-3
DRIVE UNITS—AUTOMATIC TRANSMISSION (cont.)					
Torque convertor	Number of elements		Three		
	Max. ratio at stall at engine rpm (x)		2.6 Torque Ratio		
			1330	1450	1500
	Mechanical lockup	Provided (yes, no)	None		
		Speed range	---		
		Releases at (speed range, mph)	---		
	Type of cooling (forced air, oil cooler and type, other)		Air Cooled		
	Anti-creep device (yes, no)		No		
Lubricant	Capacity—refill (pt.)		20 pts		
	Type recommended		Automatic Transmission Fluid, Type "A"		
	Grade	Summer	---		
		Winter	---		
		Extreme cold	---		

DRIVE UNITS—PROPELLER SHAFT

Number used			One	
Type (exposed, torque tube)			Exposed	
Outer diameter x length* x wall thickness	Conventional trans.		3 x 59.5 x .065	
	Overdrive trans.		3 x 59.5 x .065	3.5 x 59.5 x .065
	Automatic trans.		3 x 59.5 x .065	
Intermediate bearing	Type (plain, anti-friction)		---	
	Lubri. (fitting, prepack)		---	
Universal joints	Make		---	
	Number used		Two	
	Type (ball and trunnion, cross, other)		Ball and Trunnion	
	Bearing	Type (plain, anti-friction)	Anti-Friction	
		Lubric. (fitting, prepack)	Prepack	
Drive taken through (torque tube or arms, spring)			Rear Springs	
Torque taken through (torque tube or arms, springs)			Rear Springs	

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

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MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL			D-56-1	D-55-1, D-55-2	D-55-3
DRIVE UNITS—REAR AXLE					
Type (semi-floating, other)			Semi-Floating		
Gear type (hypoid, other)			Hypoid		
Gear ratio and No. of teeth	Conventional trans.		3.9 (39-10)	3.73 (41-11)	
	Overdrive trans.		4.3 (43-10)	4.1 (41-10)	
	Automatic trans.		3.73 (41-11)	3.54 (39-11)	
Pinion adjustment (shim, other)			Solid Shim		
Pinion bearing adj. (shim, other)			Shims		
Lubricant	Capacity (pt.)		3.25		
	Type recommended		Multi-Purpose Hypoid Gear Lubricant		
	SAE viscosity number	Summer	SAE 90		
		Winter	SAE 90		
		Extreme cold	SAE 80		
DRIVE UNITS—WHEELS					
Type (disc, other)			Disc		
Rim (size and flange type)			15 x 4.5 K	15 x 5 K (a)	
Attachment	Type (bolt or stud)		Stud		
	Circle diameter		4.5		
	Number and size		5, 1/2 - 20 Am Nat Thd		
DRIVE UNITS—TIRES					
Size and ply rating	Standard		6.70 x 15 - 4 (b)	7.10 x 15 - 4 (b)	
	Optional		7.10 x 15 - 4 (b)	7.60 x 15 - 4 (b)	
Rev/mile at 30 mph (x)			750	739	
Inflation press. (cold)	Front		24		
	Rear		24		
BRAKES—SERVICE					
Type			Hydraulic, Internal Expanding Drum		
Booster type			Available at Extra Cost		
Effective area (sq. in.) (x)			173-1/2		
Percent brake effectiveness—rear			40		
Drum	Diameter	Front (x)	11		
		Rear (x)	11		
	Type and material		Cast Iron		

(a) Special on D-56 with 7.10 x 15.

(b) Tubeless tires standard; tires with tubes are available as optional equipment at no extra cost.

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MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL	D-56-1	D-55-1, D-55-2	D-55-3

BRAKES—SERVICE (cont.)

Brake lining	Bonded or riveted			Bonded
	Primary	Material		Molded Asbestos
		Size (length x width x thickness)	Front wheel	11.5 x 2 x .200
			Rear wheel	11.5 x 2 x .200
		Segments per shoe		One
	Secondary	Material		Molded Asbestos
		Size (length width x thickness)	Front wheel	11.5 x 2 x .200
			Rear wheel	8.8 x 2 x .200
		Segments per shoe		One
Wheel cylinder bore	Front			1.12
	Rear			1.12
Master cylinder bore				1.12
Available pedal travel				7
Line pressure at 100 lb. pedal load (x)				760
Shoe clearance adjustment				.006, Heel & Toe

BRAKES—PARKING

Type of control		T-Handle, Multiple Pawl Ratchet
Location of control		Under Instrument Panel, Left of Steering Column
Operates on		Transmission Drive Shaft
If separate from service brakes	Type (internal or external)	External (a)
	Drum diameter	6 (a)
	Lining size (length x width x thickness)	15.38 x 2 x .16 (a)

FRAME

Type and description	Welded, Double-Channel Box Section Side Rails, Lateral Cross Members

FRONT SUSPENSION

Type and description	Independent, Lateral Non-Parallel Control With Coil Springs

(a) When PowerFlite is used, an internal type brake with 7" drum is used; lining size: 13.06 x 2 x .16.

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MODEL	D-56-1	D-55-1, D-55-2	D-55-3

FRONT SUSPENSION (cont.)

	Type	Coil	
	Material	Steel	
Spring	Size (length x width x No. leaves or coil I.D.)	4 I.D.	
	Spring rate (lb. per in.)	415	445
	Rate at wheel (lb. per in.)	N/A	
	Normal load (lb. @ rated length)	Right 1400 at 11" Left 1475 at 11"	Right 1575 at 11" Left 1660 at 11"
Shock absorbers	Manufacturer	Own	
	Type (direct or lever)	Direct	
	Piston diameter	1	
Stabilizer	Type (link, linkless, frameless)	Linkless	
	Material	Steel	

STEERING

Type used (Standard or optional)		Mechanical		Standard	
		Power		Optional	
Wheel diameter				18	
Turning diameter	Outside front	Wall to wall (r. & l.)		43' 0"	
		Curb to curb (r. & l.)		42' 10"	42' 3"
	Inside rear	Wall to wall (r. & l.)		23' 8"	
		Curb to curb (r. & l.)		24' 4"	
Inside wheel angle with outside wheel at 20°					
Mechanical	Gear	Type		Worm and Three-Tooth Roller	
		Make		Gemmer	
		Ratios	Gear	18.2	
			Overall	22.5	27.1
	No. wheel turns			4	5
Power	Type			Coaxial	
	Make			Chrysler	
	Trade name			Full-Time Power Steering	
	Gear	Type		Rack and Sector and Recirculating Ball Nut	
		Ratios	Gear	16.2	
			Overall	19.1	20.1
	Pump driven by			Generator	
	Overall torque ratio			N/A	
	Number wheel turns			3.5	
Linkage	Type			Direct, Long and Short Tie Rods	Symmetrical Idler Arm; Equal Length Tie Rods
	Location (front or rear of wheels)			Rear	
	Drag link (trans. or long)			None	Transverse
	Tie rods (one or two)			Two	

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MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL			D-56-1	D-55-1, D-55-2	D-55-3

STEERING (cont.)

Kingpin	Inclination at camber (deg.)		5.5° at 0°
	Diameter		.795
	Bearings (type)	Upper	Roller
		Lower	Steel Backed Lead-Bronze
		Thrust	Ball
Wheel alignment (range and preferred)	Caster (deg.)		-2° to 0°, -2° Preferred with Manual Steering -0° Preferred with Power Steering (a)
	Camber (deg.)		1/4° ± 3/8° (b)
	Toe-in (outside tread-inches)		0 - 1/16, 0 Preferred
Steering knuckle type			Reverse Elliott
Wheel spindle	Diameter	Inner bearing	1.25
		Outer bearing	.75
	Thread size		3/4 - 16 Am Nat Thd
	Bearing type		Tapered Roller

REAR SUSPENSION

Type				Non-Parallel, Longitudinal Leaf	
Drive and torq. taken through (see page 14)				Rear Springs	
Spring	Type			Semi-Elliptic	
	Material			Steel	
	Size (length x width x No. leaves or coil I.D.)			52 x 2.5 x 5	
	Spring rate (lb. per in.)			88	90
	Rate at wheel (lb. per in.)			N/A	
	Normal load (lb. at rated length)			680 at -.38 Opening	720 at -.38 Opening
	Mounting insulation type			Rubber Bushing	
	If leaf	No. of leaves		4	5
		Covers (yes, no)		No	
		Lubricated (yes, no)		No	
		Inserts	Type and size	3.5 x 2.5	
			Material	Wax Impregnated Fabric	
		Shackle (comp. or tens.)		Compression	
Shock absorbers	Manufacturer			Own	
	Type (direct or lever)			Direct	
	Piston diameter			1	
Stabilizer	Type (link, linkless, frameless)			None	
	Material			---	
Track bar type				None	

(a) Within these limits, it is recommended that the left side caster be between 0° and 3/4° more negative than the right side caster.

(b) Preferred Setting: Left Side, + 1/2°
Right Side, 0°

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MAKE OF CAR DODGE **MODEL YEAR** 1955

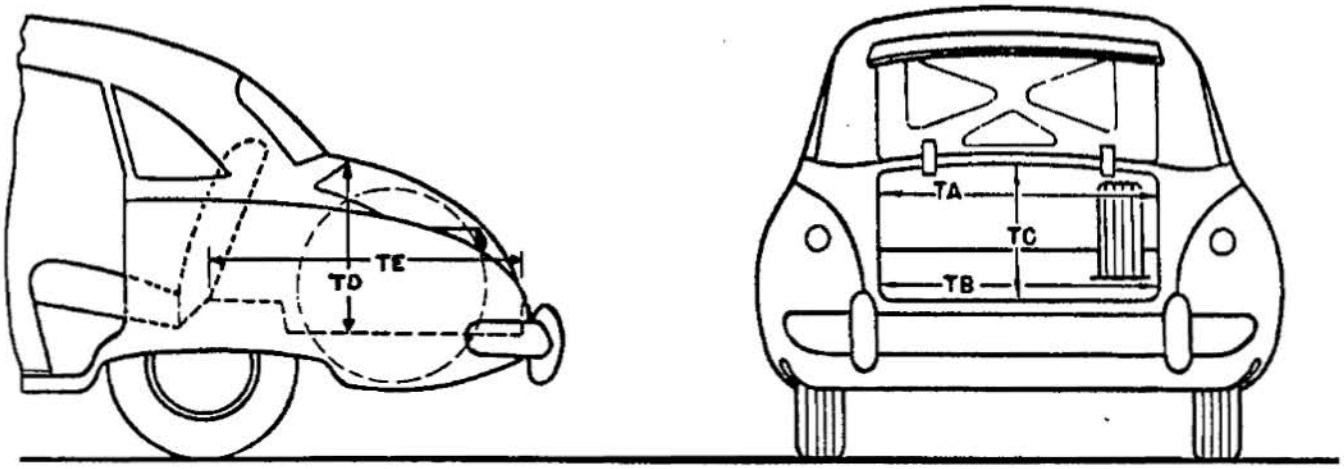
BODY—GENERAL DEFINITIONS

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-56	D-55

BODY—TRUNK OPENING DIMENSIONS



TA—Width across the top	58.0
TB—Width across the bottom	50.5
TC—Diagonal dimension at CL from top of opening to bottom	36.0
TD—Vertical height of opening (floor to top, inside edge of opening)	24.0
TE-Max. horizontal depth (forward from vertical projection of inside edge of opening)	55.0
Position of spare tire stowage	Right Hand Side - Inclined
Method of holding lid open	Torsion Bar

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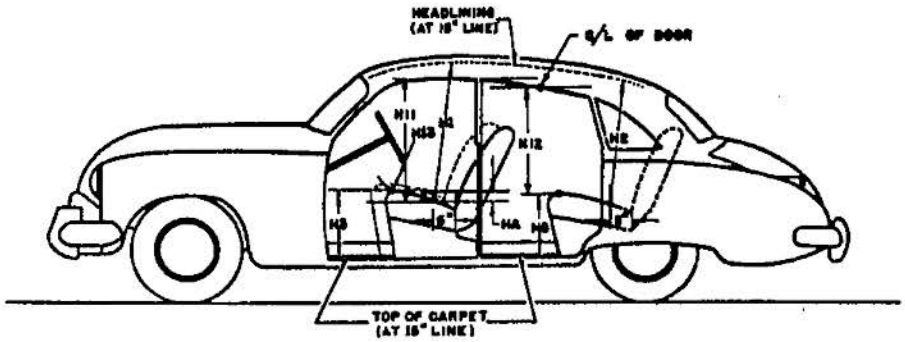
MAKE OF CAR DODGE **MODEL YEAR** 1955

MODEL	D-56	D-55

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)	35.5
H2. Rear headroom—from "A" pt. to headlining at 8° back of vertical on 15" line.	34.9
H3. Front seat height to floor carpet on 15" line (front edge of cushion).	13.4
H8. Rear seat height to floor carpet on 15" line (front edge of cushion).	12.8
H11. Entrance—front—cushion "A" point to bottom windcord vertical.	29.0
H12. Entrance—rear—top of cushion to bottom windcord vertical at C/L of rear door.	27.3
H13. Steering wheel clearance to seat cushion taken on arc.	5.4
HA. Front seat vertical rise at "A" pt. (inches.)	1.1

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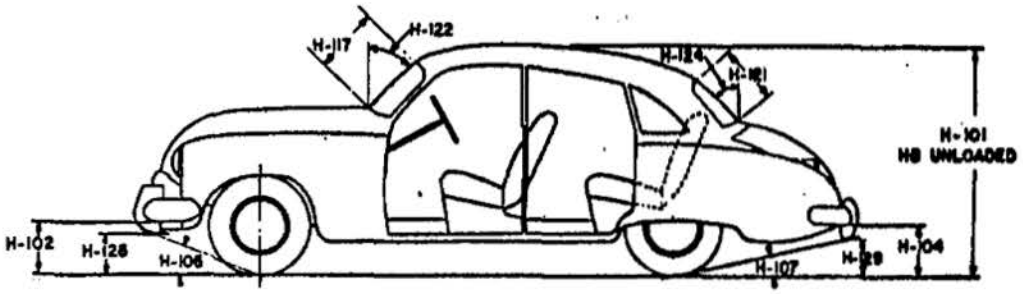
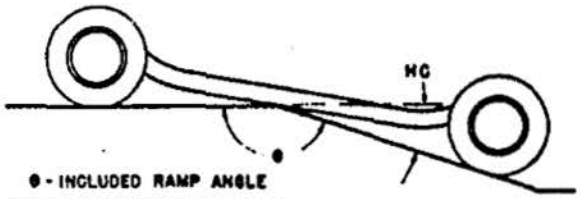
MODEL	D-56	D-55

BODY—HEIGHT DIMENSIONS—EXTERIOR





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

H101. Overall height.	60.3	60.6
HB. Overall height—unloaded.	62.4	62.6
H102. Front bumper bottom to ground at normal section.	12.1	12.4
H104. Rear bumper bottom to ground at normal section.	11.4	11.6
H106. Angle of approach—from the tire rolling radius to lowest point on front bumper or guard.	18°	
H107. Angle of departure—from the tire rolling radius to lowest point on rear bumper or guard.	12°	
HC. Ramp breakover angle.*	11°	
H117. Windshield DLO-slant height.	16.5	
H121. Backlight DLO*—Max., slant height.	18.8	
H122. Windshield slope angle to vertical line on car axis.	45° 30'	
H124. Backlight slope angle to vertical line on car axis.	52°	
H128. Ground to bottom of front bumper guard.	10.8	11.0
H129. Ground to bottom of rear bumper guard.	10.5	10.8
HD. Min. road clearance (location and dimension). (x)	5.0 at Oil Pan	5.5 at Oil Pan
HE. Min. road clearance at rear axle.	8.0	8.2

*See Notes, page 19.

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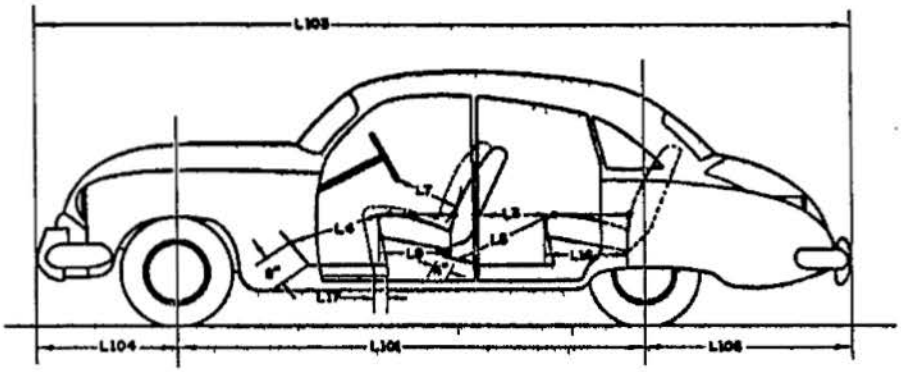
MODEL	D-56	D-55

BODY—LENGTH DIMENSIONS



Interior	**L3.** Rear compartment back of front seat back to rear seat back.	31.5
	L4. Leg room—front—diagonal—ball of foot to top of seat to front seat back—15" line.	44.5
	L5. Leg room—rear—diagonal—from ball of foot to top of rear seat cushion and to seat back.	45.0
	L7. Steering wheel clearance to seat back taken on arc.	14.7
	L9. Front seat depth (front edge to vert. tan. to seat back on 15" line).	18.0
	L16. Depth of rear seat (front edge to seat back).	17.8
	L17. Total adjustment of front seat at floor.	5.0
Exterior	**L101.** Wheel base.	120
	L103. Overall length (bumper to bumper inc. guards).	212.1
	L104. Overhang—front including bumper guards.	39.3
	L105. Overhang—rear including bumper guards.	52.8

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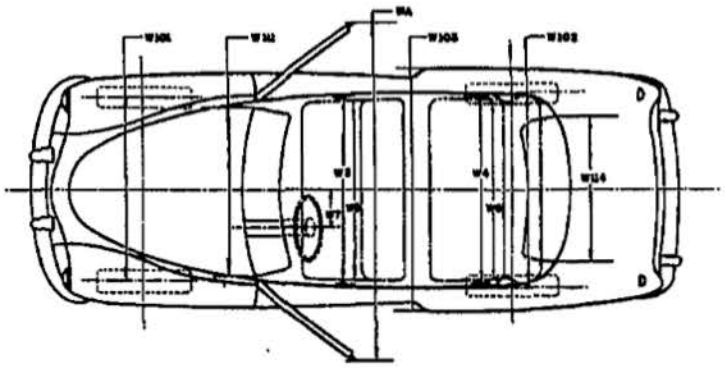
MODEL	D-56	D-55

BODY—WIDTH DIMENSIONS



Interior	**W3.** Front shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	58.0
	W4. Rear shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	57.8
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back.	62.5
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back.	62.8
	W7. Steering wheel center to center of body.	15.0
Exterior	**W101.** Front tread at ground.	58.9
	W102. Rear tread at ground.	59.1
	W103. Max. overall width of car including bumpers or mouldings.	74.5
	WA. Max. overall width of car with doors open.	151.4
	W111. Windshield DLO, max. width.	59.5
	W114. Back window DLO, max. width.	58.5

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MODEL	D-56-1	D-55-1	D-55-2	D-55-3

BODY—MISCELLANEOUS INFORMATION

Doors hinged (front, rear)	Front	Front			
	Rear	Front			
Type of finish (lacquer, enamel)		Synthetic Enamel			
Hood opening (front, side; semi-full, full, half)		Front, Full			
Hood counterbalanced (yes, no)		Yes			
Hood release control (internal, external)		External			
Vent window control method (crank, friction, pivot).		Pivot			
Windshield (one piece, two piece; curved, flat)		One Piece, Curved			
Rear window type (one piece, two piece, three piece; curved, flat)		One Piece, Curved			
Windshield glass area		1063			
Backlight glass area		1134			
Total glass area		3452			

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)					
		G-6 Four-Door Sedan			
	(x)	D-6 Club Sedan	D-6 Two-Door Sedan	---	L-6 Lancer Convertible
	(x)	---	J-6 Lancer (Hardtop)		
	(x)	N-6 Suburban	P-6 Sierra (2-Seat)	---	
	(x)	P-6 Sierra (2-Seat)	P-8 Sierra (3-Seat)	---	
	(x)	P-8 Sierra (3-Seat)	---		

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

(x) Revised: 4-8-55

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