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-72-1 - 6 Cyl. - D-72-2 Coronet - 8 Cyl. - D-66-1 - 8 Cyl. - D-66-2 Royal - 8 Cyl. - D-67-1 Custom Royal - 8 Cyl. - D-67-2 Suburban - 8 Cyl. - D-70, D-71
MODEL YEAR: 1957 **DATE** SEPT. 30,1956(X)	

TABLE OF CONTENTS

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-72-1	D-72-2	D-66-1	D-66-2	D-67-1	D-67-2	D-70	D-71
Wheelbase			122							
Tread	Front		60.9							
	Rear		59.7							
Maximum Overall Dimensions	Length (L-103)		212.2						214.4	
	Width (W-103)		77.9							
	Height (H-101)		56.6				56.8		57.3	
Steering ratio—overall			26.8							
Turning diameter (curb to curb)		(X)	43' 7"				43' 8"			
Shipping weight*		(X)	3470		3620		3690		N/A	
Transmission— (Specify standard, optional, not avail.)	Conventional		Standard							
	Overdrive		N/A							
	Automatic		Optional							
Axle ratio	Conventional		3.90		3.73				3.91	
	Overdrive		N/A							
	Automatic	(X)	3.73		(a)		3.18		3.36	
Tire size			7.50 x 14				8.00 x 14			
Engine	Type		In-Line		90° V					
	No. of cylinders		6		8					
	Valve arrangement		"L" Head		Overhead, Lateral					
	Bore and stroke		3.25 x 4.63		3.69 x 3.80					
	Piston displacement, cu. in.		230		325					
	Standard compression ratio		8.0		8.5					
	Maximum bhp at engine rpm	(X)	138 at 4000		245 at 4400		260 at 4400		245 at 4400	
	Maximum torque at rpm	(X)	208 at 1600		320 at 2400		335 at 2800		320 at 2400	

*Standard car weight, not including gas and water. (X) REVISED: 12-15-56

(a) PowerFlite - 3.36; TorqueFlite - 3.18

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1957

MODEL			D-72	D-66, D-67-1	D-67-2	D-70, D-71
ENGINE—GENERAL						
Type	V, In-line, other		In-Line	V		
	Angle of V		--	90°		
No. of cylinders			6	8		
Valve arrangement			"L" Head	Overhead, Lateral		
Bore and stroke			3.25 x 4.63	3.69 x 3.80		
Piston displacement, cu. in.			230	325		
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		8.0	8.5		
	Optional Head		--			
Cylinders	Head Material	Standard	Cast Iron			
		Optional	--			
	Sleeve—Wet, dry, other, none		None			
Number of mounting points		Front	Two			
		Rear	One			
Taxable horsepower	(Dia.² x No. Cyl.) / 2.5		25.4	43.6 (X)		
Advertised max. brake horsepower at engine RPM*	Standard head (X)		138 at 4000	245 at 4400	260 at 4400	245 at 4400
	Optional head		--			
	With fuel (Octane and method)	Standard Head	87 Motor, 98 Research			
		Optional Head	--			
Max. torque (lb. ft. @ RPM)	Standard head (X)		208 at 1600	320 at 2400	335 at 2800	320 at 2400
	Optional head		--			
Recommended idle speed (neutral)			450 - 500			
ENGINE—PISTONS						
Material			Aluminum Alloy			
Description and finish			U-Slot, Elliptically Turned, Tin-Plated	Slipper Type, Thermally Controlled by Steel Strut, Elliptically Turned, Tin-Plated		
Weight (piston only) oz.			15.8	18.6		
Clearance	Top land		.030	.032		
	Skirt	Top	--	.00075 to .00125		
		Bottom	.0007	--		
Ring groove depth	No. 1 ring		.17	.19		
	No. 2 ring		.17	.19		
	No. 3 ring		.17	.19		
	No. 4 ring		.17	--		

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

(X) REVISED: 12-15-56.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1957

MODEL			D-72	D-66, D-67, D-70, D-71
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			Four	Three
Compression	Material		Piston Ring Iron	
	Coating		#1 - Chromium #2 - Tin	Tin
	Width		.093	.078
	Gap		.010 - .020	
	Maximum wall thickness		.16	.18
Oil	Material		Piston Ring Iron	
	Coating		None	
	Width		.155	.186
	Gap		.010 - .020	.010 - .020 (a)
	Maximum wall thickness		.15	.14
Location of expanders			None	Oil Ring
ENGINE—PISTON PINS				
Material			High Manganese Steel	
Length			2.75	3.07
Diameter			.859	.922
Type	Locked in rod, in piston, floating, etc.		Floating	
	Bushing	In rod or piston	Rod	
		Material	Bronze on Steel	
Clearance	In piston		.0000 - .0005	
	In rod		.0001 - .0002	.0001 - .0004
Direction offset in piston			None	.06 - Right
ENGINE—CONNECTING RODS				
Material			High Manganese Forging Steel	

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1957

MODEL	D-72	D-66, D-67, D-70, D-71

ENGINE—CRANKSHAFT (cont.)

Vibration damper type			Rubber - Dynamic	None
End thrust taken by bearing (No.)			#4 - Rear	#3 - Center
Crankshaft end play			.003 - .007	.002 - .007
Main bearing	Material		Tin Base Babbitt on Steel	Lead Base Babbitt on Steel (a)
	Type (cast-in or removable)		Removable, Precision	
	Clearance		.0005 - .0015	
	Journal dia. and bearing effective length	No. 1	2.50 x 1.09	2.50 x .73
		No. 2	2.50 x .89	2.50 x .73
		No. 3	2.50 x .89	2.50 x .72
		No. 4	2.50 x 1.43	2.50 x .73
		No. 5		2.50 x 1.19
		No. 6	---	
		No. 7	---	
	Direction offset from cyl. bore		Right	None
Connecting rod crankpin journal diameter			2.06	2.25

ENGINE—CAMSHAFT

Material			Special Cast Iron with Cams, Distributor and Oil Pump Drive Gear Cast Integrally	
Bearings	Material		(b)	Lead Base Babbitt on Steel
	Number		Four	Five
Type of drive	Gear or chain		Chain	
	Crankshaft gear or sprocket material		High Manganese Steel	
	Camshaft gear or sprocket material		Cast Iron	
	Timing chain	Make	Morse, Silent	
		No. of links	48	68
		Width	1.02	1.12
		Pitch	.50	.375

ENGINE—VALVE SYSTEM

Hydraulic lifters (yes, no)		No	Yes
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	.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	Fan Drive Pulley

(a) Main Bearing #3 is Tin Base Babbitt on Steel.

(b) #1, #2, #3 - Lead Base Babbitt on Steel; #4 - Cast Iron.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1957

MODEL			D-72	D-66, D-67, D-70, D-71
ENGINE—VALVE SYSTEM (cont.)				
Timing	Intake	Opens (°BTC)	12 BTC	10 BTC
		Closes (°ABC)	44 ABC	58 ABC
	Exhaust	Opens (°BBC)	50 BBC	56 BBC
		Closes (°ATC)	6 ATC	16 ATC
Intake	Material		Silicon Chromium Steel	
	Overall length		4.84	4.31
	Actual overall head dia.		1.53	1.84
	Angle of seat		45°	
	Seat insert material		---	
	Stem diameter		.34	.37
	Stem to guide clearance		.002	
	Lift		.365 (X)	.389
	Outer spring press. and length	Valve closed (lb. @ in.)	42 at 1.75	72 at 1.69
		Valve open (lb. @ in.)	115 at 1.38	166 at 1.31
	Inner spring press. and length	Valve closed (lb. @ in.)	---	
		Valve open (lb. @ in.)	---	
Exhaust	Material		XCR Chromium Nickel Steel	
	Overall length		4.89	4.31
	Actual overall head dia.		1.41	1.47
	Angle of seat		45°	
	Seat insert material		Alloy Iron	---
	Stem diameter		.34	.37
	Stem to guide clearance		.004	.003
	Lift		.365 (X)	.389
	Outer spring press. and length	Valve closed (lb. @ in.)	42 at 1.75	72 at 1.69
		Valve open (lb. @ in.)	115 at 1.38	166 at 1.31
	Inner spring press. and length	Valve closed (lb. @ in.)	---	
		Valve open (lb. @ in.)	---	

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

(X) REVISED: 12-15-56.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1957

MODEL	D-72	D-66, D-67-1	D-70, D-71	D-67-2

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Rotary			
Normal oil pressure (lb. @ rpm)	40 to 45at1500	50 to 65 at 1500		
Oil pressure gage type (electric or mechanical)	Mechanical			
Type oil intake (floating, stationary)	Stationary			
Oil filter type (full flow, partial flow)	By-Pass Type Replaceable Element	Shunt Type Replaceable Element		
Capacity of crankcase, less filter—refill (qt.)	Five			
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	Per A. P. I. Classification			

ENGINE—FUEL SYSTEM

Recommended fuel	Standard head	Regular			Premium
	[illegible] Power Pkg.	--	Premium		--
Fuel Tank	Capacity (gals.)	20		22	20
	Filler Location	Left Rear Fender			
Fuel Filter	Type	Plastic	Plastic and Ceramic		
	Location	Fuel Tank	Fuel Tank and Carburetor		
Fuel pump	Type (elec. or mech.)	Mechanical			
	Location	Right Front of Engine			
	Pressure range	4 - 6	6 to 7		
	Vacuum booster (std., opti., none)	None			
Carburetor	Make	Stromberg	Stromberg (a)		Carter
	Model number	WW3 -159 (b)	WW3 - 149 (a) (c)		WCFB-2532S
	Number used	One			
	Type: Downdraft, side inlet, other	Downdraft			
	Type: Single or dual	Dual	Dual (a)		4-Bbl.
	Intake manifold heat control (manual, auto., none)	Automatic			
	Automatic choke type (integral, other)	Integral	Remote in Manifold Crossover		
	Air cleaner type: Standard	Paper Element			
	Air cleaner type: Optional	--			

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single with Crossover (a)		Dual
Muffler type (rev. flow, str. thru, sep.resonator)	Reverse Flow			
Exhaust pipe dia.: Branch	--	1-7/8"		1-7/8"
Exhaust pipe dia.: Main	2"	2-1/4"		1-7/8"
Tail pipe diameter	1-3/4"	2"		1-3/4"

(a) With Power Package - Carter 4-Bbl Carburetor, Model WCFB 2532S and Dual Exhaust.
(b) With Automatic Transmission - WW3-160.
(c) With Automatic Transmission - WW3-150.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1957

ENGINE—COOLING SYSTEM

MODEL			D-72	D-66, D-67, D-70, D-71
Type (pressure system, atmospheric, other)			Pressure-Vent	
Radiator cap relief valve press.			14 psi	
Circulation thermostat	Type (choke, bypass)		Pellet	
	Starts to open at		157-162	
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)			Cellular Tubular or Fin and Tube	
Cooling system capacity	With heater (qt.)		14	21
	Without heater (qt.)		13	20
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	
	Upper	Number and type (molded, straight)	One, Molded	
		Inside diameter and length	1.5	
	By-pass	Number and type (molded, straight)	None	
		Inside diameter and length	--	
Drive belts	Fan	Number used	One (a)	
		Angle of V	36° 30'	
		Outside length	40.0 (b)	57.38 (b)
		Width	.380	
	Generator	Angle of V	36° 30'	
		Outside length	40.0 (b)	57.38 (b)
		Width	.380	
Fan	Number of blades and spacing		Four, 76° - 104° (c)	
	Diameter		17 in. (square tip)	18 in. (curved tip)
	Ratio—fan to crankshaft revolutions		.95	
	Bearing type		See Water Pump	

(a) Total of two belts with Power Steering; three belts with Air Conditioning; four belts with Power Steering and Air Conditioning.

(b) One belt used for fan and generator drive.

(c) With Air Conditioning: Six, 45° - 75° - 60°.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1957

MODEL	D-72	D-66, D-67, D-70, D-71

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Auto-Lite 11-HS-50 or Willard HO-11-50	Gould 11-OE-53
	Voltage Rtg. & Plates/cell		12 V, 9	
	SAE Designation & Amp Hr. Rtg		None, 50	None, 53
	Location		Under Hood, Left Side	
	Terminal grounded		Negative	
Generator	Make		Auto-Lite	
	Model		GJC-7012-A	
	Type		Shunt Wound	
	Ratio—Gen. to Cr/s rev.		2.12	2.0 (a)
Regulator	Make		Auto-Lite	
	Model		VRX-6201-A	
	Type		Current and Voltage Control	
	Cutout relay	Closing voltage @ generator rpm	13.0 - 13.8 at 1300	
		Reverse current to open	Contact open at 0-6 amp. discharge at 8.2 - 9.3 volts after 10 amp. charge	
	Regulated	Voltage	14.28 - 14.88	
		Current	30 - 40	
	Min. Gen. rpm required		1300 Cut-In; 2300 Max. (Hot)	
	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		MDM 6001 (b)	MDL 6003
	Rotation (drive end view)		Clockwise	
	Engine cranking speed		35 rpm (Cold), 150 rpm (Hot)	
	Test conditions		Cold - SAE 5W at -20° F. Hot - SAE 30 with completely warmed engine	
	Lock test	Amps	210 (d)	225
		Volts	4 (d)	4
		Torque (lb. ft.)	5 (d)	6
	No load test	Amps	50 (e)	60
		Volts	11 (e)	11
		RPM (min.)	3600 (e)	3400
Motor control	Switch (solenoid, manual)		Bendix (Anti-Kickout)	
	Starting procedure		Depress accelerator pedal about one-third and turn ignition key beyond "Ignition On" Position (c)	

(a) With Air Conditioning - 2.12
(b) With PowerFlite transmission - MDL-6004.
(c) On D-66, D-67, D-70, and D-71 models equipped with TorqueFlite, depress accelerator pedal about one-third and push Neutral transmission push button to "Extreme In" position.
(d) With PowerFlite transmission - 225 amps, 4 volts, 6 lb.ft.
(e) With PowerFlite transmission - 60 amps, 11 volts, 3400 rpm.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1957

MODEL	D-72	D-66, D-67-1, D-70, D-71	D-67-2

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		CAG-4001	CAH-4001	
	Amps	Engine stopped	2.4	3.1	
		Engine idling	1.8	2.5	
Distributor	Make		Auto-Lite		
	Model		IBR-4001	IBP-4002 (a)	IBP-4002-B
	Spark advance data (at distributor shaft)	Centr. advance start (rpm)	250-450	370-540 (b)	300-400
		Centr. advance max. deg. @ rpm	7.5° to 9.5° at 1800	7.5° to 9.5° at 1700(c)	7° to 9° at 850
		Vacuum advance start (in. Hg.)	0° at 5.3" to 6.8" hg.	0° at 6.5" to 7.75" hg.	
		Vac. adv. (max. deg. @ in. Hg.)	8.5° to 10.5° at 16" hg.	12° to 14° at 18" hg.	
	Breaker gap (in.) (X)		.020	.017, +.001, -.002	
	Cam angle (deg.)		39° ±3	29° - 32°	
	Breaker arm tension (oz.)		17 - 20		
Timing	C/S deg. @ rpm		0° TDC at 500	6° BTC at 500	
	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		
			AR-51	AR-42	
	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 Resistor (Integral) Distributor - 10,000 OHM Resistor (Integral)

With Power Package the following data applies:

(a) IBP-4002-B
(b) 300 - 400
(c) 7° to 9° at 850

(X) REVISED: 12-15-56.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1957

MODEL D-72, D-66, D-67, D-70, D-71

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speedometer	Make	Stewart Warner
	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 Position - Off 1st Position Clockwise - Ignition and Accessory Circuit Only 2nd Position Clockwise - Starter and Ignition Circuit Only (a) 1st Position Counter-clockwise - 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 - Instrument, Tail, License Plate, Parking and Ignition Switch Lamps 2nd Position Clockwise - Instrument, 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 front doors (on all doors of Custom Royals); Direction Signal Switch - Lever on steering column below wheel.
Other switches	Locations and devices controlled	Windshield Wiper Switch - One-Speed, right of steering column (Variable Speed Special Equipment). Heater Switch - Two-Speed, right of steering column. Defroster Control - Right of steering column. Starter Switch - Neutral Push Button (Extreme In Position) (b)
Windshield wiper	Make	Auto-Lite
	Type	Electric
	Vacuum booster provision	None
	Washer provision	None
Horn	Type	Air Note - Sea Shell
	Number used	2
	Amp draw (each)	9 - 10

(a) Models with Powerflite or manual transmission only.
(b) Models with TorqueFlite transmission only.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1957

MODEL D-72, D-66, D-67, D-70, D-71

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		2-5400
Headlamp beam indicator		1-57
Parking light		2-1034
Tail light		2-1034
Stop light		2-1034
Direction indicator	Front	2-1034
	Rear	2-1034
	Tell-Tale	2-57
License plate light		1-67
Instrument light		2-57
Ignition lock light		--
Map light		1-1004*
Dome light		1-1004
Clock light		1-57*
Radio dial light		1-1891*
Glove compartment light		1-57*
Courtesy light		1-1004*
Trunk compartment light		--
Other Back-Up Light		2-1073*
Speedometer		3-57
Transmission Control		1-57
Hand Brake Indicator		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 light: SFE-10 (a), Direction indicator: same as (a).

Headlamp	20 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	Same as (a)
Map light	Same as (b)
Dome light	Same as (b)
Clock	SFE-2
Clock light	Same as (b)
Radio	SFE-7.5
Glove compartment light	Same as (b)
Courtesy light	Same as (b)
Trunk compartment light	--
Other	
Windshield Wiper	5 CB (c); Variable Speed 6 CB (d)
Window Lift	30 CB (e)
Seat Adjuster	40 CB (f)

AMA Consolidated Specification Questionnaire

MAKE OF CAR: DODGE MODEL YEAR: 1957

MODEL	D-72	D-66, D-67, D-70, D-71

DRIVE UNITS—CLUTCH (PEDAL OPERATED)

Make			Borg & Beck (a)	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.)			1206 (b)	2013
No. of clutch driven discs			One	
Clutch facing	Material		Molded Woven Asbestos	
	Inside diameter		6.00	
	Outside diameter		9.25 (X)	10.00
	Total eff. area (sq. in.)		77.8	100.5
	Thickness		.125 (c)	.125
	Number required		Two	
	Engagement cushioning method		Flat Springs, 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.)	N/A
Automatic (std. or opt.)	Optional

DRIVE UNITS—CONVENTIONAL TRANSMISSION

Number of forward speeds		3	
Transmission ratios	In first	2.50	2.31
	In second	1.68	1.55
	In third	1.00	
	In fourth	--	
	In reverse	3.20	2.96
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) Auburn Clutch optional.
(b) Auburn Clutch - 1280
(c) Auburn Clutch - .114

(X) REVISED: 12-15-56.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1957

MODEL	D-72	D-66	D-67, D-70, D-71

DRIVE UNITS—CONVENTIONAL TRANSMISSION (cont.)

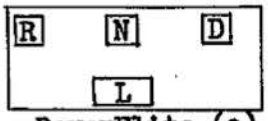
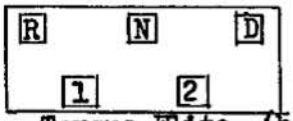
Lubricant	Capacity (pt.)		2 - 3/4
	Type recommended		Gear Lubricant
	SAE viscosity number	Summer	80
		Winter	80
		Extreme cold	80

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	PowerFlite	PowerFlite or TorqueFlite	TorqueFlite
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)	 PowerFlite (a)		 Torque Flite (b)
List gear ratios in each drive position (range)	PowerFlite: R - Reverse - 2.39 N - Neutral - - D - Drive - 1.00 L - Low - 1.72		TorqueFlite: 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)	Yes		
By governor—forced shift (yes, no)	Yes		
Downshift of gears in high range possible up to (mph)	55		

(a) PowerFlite available on D-72 and D-66 Models.

(b) TorqueFlite available on D-66, D-67, D-70, and D-71.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1957

MODEL			D-72	D-66	D-67	D-70, D-71
DRIVE UNITS—AUTOMATIC TRANSMISSION (cont.)						
Torque convertor	Number of elements		Three			
	Max. ratio at stall at engine rpm		2.6 at 1330(d)	2.6 at 1860 (a) (d)		2.7 at 1860 (a)(d)
	Mechanical lockup	Provided (yes, no)	No			
		Speed range	--			
		Releases at (speed range, mph)	--			
	Type of cooling (forced air, oil cooler and type, other)		Air			
	Anti-creep device (yes, no)		No			
Lubricant	Capacity—refill (pt.)		20	(b)		18
	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.		3.5x58.81x.065	3.5 x 59.02 x .065		
	Overdrive trans.		--			
	Automatic trans.		3.0x58.81x.065	3.5x59.02x.065(c)		3.25 x 58.96 x .065
Intermediate bearing	Type (plain, anti-friction)		--			
	Lubri. (fitting, prepack)		--			
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)	Cross - Prepack; Ball and Trunnion - Clean and Repack			
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.

(a) 2.7 at 1870 on D-67-2 standard models and on D-66, D-67-1, D-70 and D-71 models equipped with power package.
(b) PowerFlite - 20; TorqueFlite - 18.
(c) PowerFlite only; TorqueFlite models use 3.25 x 58.96 x .065
(d) This check should not be performed in car.

AMA Consolidated Specification Questionnaire

MAKE OF CAR _____ MODEL YEAR _____

MODEL			D-72	D-66	D-67	D-70, D-71
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)		3.91 (43-11)
	Overdrive trans.		N/A			
	Automatic trans.		3.73 (41-11)	(a)	3.18 (35-11)	3.36 (37-11)
Pinion adjustment (shim, other)			Solid Shim (Washer)			
Pinion bearing adj. (shim, other)			Shims			
Lubricant	Capacity (pt.)		3.25	3.5		
	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)			14 x 5K		14 x 5.5K	
Attachment	Type (bolt or stud)		Stud			
	Circle diameter		4 - 1/2			
	Number and size		5, 1/2 - 20 N. F.			
DRIVE UNITS—TIRES						
Size and ply rating	Standard		7.50 x 14 (Tubeless) 4 Ply		8.00 x 14 (Tubeless) 4 Ply	
	Optional		8.00 x 14 (Tubeless) 4 Ply		8.50 x 14 (Tubeless) 4 Ply	
Rev/mile at 30 mph			775		760	
Inflation press. (cold)	Front		24		22	
	Rear		22			
BRAKES—SERVICE						
Type			Hydraulic - Internal Expanding			
Booster type			Vacuum - Available at Extra Cost			
Effective area (sq. in.)			207	207 (b)		230
Percent brake effectiveness—rear			35	35 (b)		40
Drum	Diameter	Front	11			
		Rear	11			
	Type and material		Composite			

(X) REVISED: 12-15-56.

(a) PowerFlite - 3.36 (37-11); TorqueFlite - 3.18 (35-11).

(b) For 4-Door Hardtops and Convertibles - 230 sq. in. effective area and 40% rear brake effectiveness.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1957

MODEL	D-72	D-66, D-67	D-70, D-71

BRAKES—SERVICE (cont.)

Brake lining	Bonded or riveted			Bonded		
	Primary	Material		Molded Asbestos		
		Size (length x width x thickness)	Front wheel	11.5 x 2.5 x .20		
			Rear wheel	11.5 x 2.0 x .20 (d)		11.5 x 2.5 x .20
		Segments per shoe		One		
	Secondary	Material		Molded Asbestos		
		Size (length width x thickness)	Front wheel	11.5 x 2.5 x .20		
			Rear wheel	11.5 x 2.0 x .20 (d)		11.5 x 2.5 x .20
		Segments per shoe		One		
Wheel cylinder bore	Front			1.125		
	Rear			1.125		
Master cylinder bore				1.125		
Available pedal travel				6" (b)		
Line pressure at 100 lb. pedal load				750 (c)		
Shoe clearance adjustment				No Major Adjustment Required		

BRAKES—PARKING

Type of control		T-Handle, Multiple Pawl Ratchet
Location of control		Under Instrument Panel, Left of Steering Column
Operates on		Transmission Output Shaft
If separate from service brakes	Type (internal or external)	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 Crossmembers

FRONT SUSPENSION

Type and description	Independent, Lateral Non-Parallel Control Arms with Torsion Bars

(a) With automatic transmission, a 7" internal parking brake is used with a lining size of 13.44 x 2 x .16.
(b) With Power Brakes - 4-5/8".
(c) With Power Brakes - 1200 psi.
(d) For 4-Door Hardtops and Convertibles - 11.5 x 2.5 x .20

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1957

MODEL	D-72, D-66	D-67-1	D-67-2	D-70, D-71

FRONT SUSPENSION (cont.)

	Type	Torsion Bar		
	Material	Chromium Alloy Steel		
Spring	Size (length x width x No. leaves or coil I.D.)	Length - 44.6 Diameter - 1.04		Length - 44.6 Diameter - 1.00
	Spring rate (lb. per in.)	Not Applicable		
	Rate at wheel (lb. per in.) (X)	120 (without tires)		105 (without tires)
	Normal load (lb. @ rated length)	Not Applicable		
Shock absorbers	Manufacturer	Own		
	Type (direct or lever)	Direct		
	Piston diameter	One		
Stabilizer	Type (link, linkless, frameless)	None		Linkless
	Material	--		Steel

STEERING

Type used (Standard or optional)		Mechanical		Standard	
		Power		Optional	
Wheel diameter				17	
Turning diameter	Outside front	Wall to wall (r. & l.) (X)		46' 2"	46' 4"
		Curb to curb (r. & l.) (X)	43' 7"	43' 8"	
	Inside rear	Wall to wall (r. & l.) (X)	27' 2"	27' 1"	
		Curb to curb (r. & l.) (X)		32' 4"	
Inside wheel angle with outside wheel at 20°				21° 37'	
Mechanical	Gear	Type		Worm and Three-Tooth Roller	
		Make		Own	
		Ratios	Gear	18.2	
			Overall	26.8	
	No. wheel turns			4.8	
Power	Type			Integral "Coaxial"	
	Make			Own	
	Trade name			Full Time Power Steering	
	Gear	Type		Rack and Gear Sector and Recirculating Ball Nut	
		Ratios	Gear	16.3	
			Overall	19.8	
	Pump driven by			Fan Drive Pulley	
	Overall torque ratio			N/A	
	Number wheel turns			3.4	
Linkage	Type			Symmetrical Idler Arm Equal Length Tie Rods	
	Location (front or rear of wheels)			Rear	
	Drag link (trans. or long) Tie rods (one or two)			Transverse Two	

(X) REVISED: 12-15-56.

AMA Consolidated Specification Questionnaire

MAKE OF CAR: DODGE — MODEL YEAR: 1957

MODEL			D-72	D-66, D-67	D-70, D-71
STEERING (cont.)					
STEERING AXIS	Inclination at camber (deg.)		6-1/2° at 0°		
	Diameter		--		
	Bearings (type)	Upper	Ball Joint		
		Lower	Ball Joint		
		Thrust	Oil Impregnated, Sintered Metal Bearings		
Wheel alignment (range and preferred)	Caster (deg.)		Manual Steering: -3/4° ±3/4° Power Steering: +3/4° ±3/4° (a)		
	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 knuckle type			Ball Socket Joints		
Wheel spindle	Diameter	Inner bearing	1.25		
		Outer bearing	.75		
	Thread size		3/4 - 16 N. F.		
	Bearing type		Tapered Roller		

REAR SUSPENSION

Type			Parallel, Longitudinal Leaf		
Drive and torq. taken through (see page 14)			Rear Springs		
Spring	Type		Semi-Elliptical		
	Material		Steel		
	Size (length x width x No. leaves or coil I.D.)		55 x 2.5 x 4	55 x 2.5 x 5	
	Spring rate (lb. per in.)		90 - 100		120 - 130
	Rate at wheel (lb. per in.)		130 (without tires)		165 (W/O Tires) (X)
	Normal load (lb. at rated length)		Right: 680 at -.38" Opening Left: 720 at -.38" Opening	Right: 720 at -.38" Left: 760 at -.38" (b)	
	Mounting insulation type		Rubber		
	If leaf	No. of leaves	4	5	6
		Covers (yes, no)	No		
		Lubricated (yes, no)	No		
		Inserts: Type and size	2.5 x 2.5 (front interliners); 2.5 x 3.5 (rear interliners)		
		Inserts: Material	Wax Impregnated Fabric		
		Shackle (comp. or tens.)	Compression		
Shock absorbers	Manufacturer		Own		
	Type (direct or lever)		Direct		
	Piston diameter		One		
Stabilizer	Type (link, linkless, frameless)		None		
	Material		---		
Track bar type			None		

(a) Caster should be held as nearly equal as possible on right and left wheels.
(b) 2-Door Suburban - 880 (right) and 920 (left) at -.38" opening.
4-Door Sta. Wgn - 920 (right) and 960 (left) at -.38" opening.
(X) REVISED: 12-15-56.

AMA Consolidated Specification Questionnaire

AKE OF CAR DODGE MODEL YEAR 1957

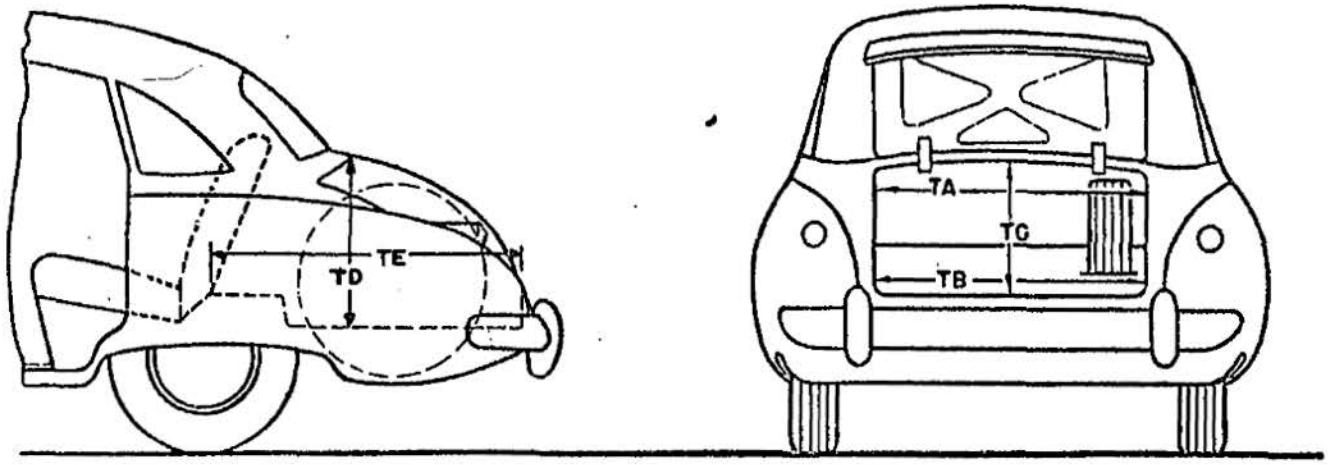
BODY—GENERAL DEFINITIONS

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-72, D-66, D-67	D-70, D-71

BODY—TRUNK OPENING DIMENSIONS



TA—Width across the top	58.4	--
TB—Width across the bottom	51.2	--
TC—Diagonal dimension at CL from top of opening to bottom	39.2	--
TD—Vertical height of opening (floor to top, inside edge of opening)	21.1	--
TE-Max. horizontal depth (forward from vertical projection of inside edge of opening)	65.1	--
Position of spare tire stowage	Horizontal on Trunk Kick-up	(a)
Method of holding lid open	Torsion Bar	--

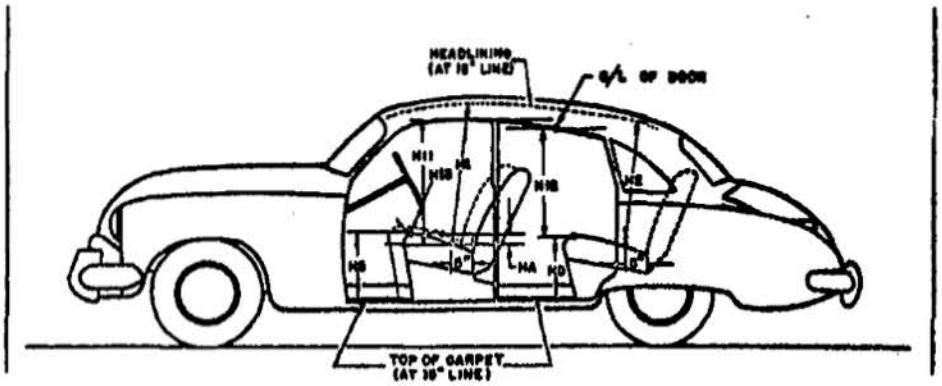
(a) Two-Seat Suburban - Under the Floor Pan; Three-Seat Suburban - Right Rear Quarter Panel.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1957

MODEL	D-72, D-66, D-67	D-70, D-71

BODY—HEIGHT DIMENSIONS—INTERIOR



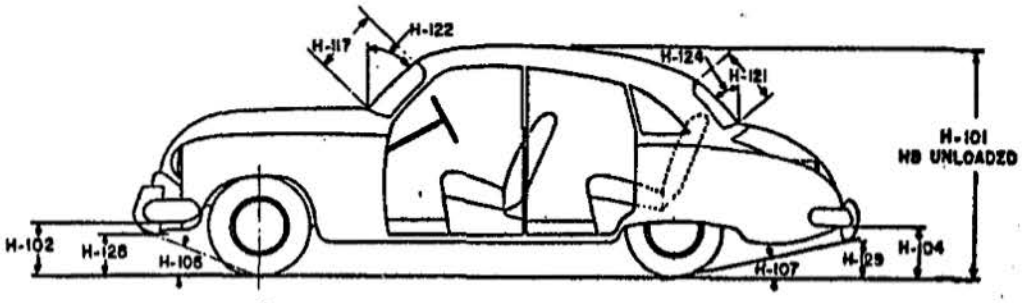
H1. Front headroom—from "A" pt. to headlining at 8° back of vertical on 15" line. (For "A" pt. see note 1, page 19)	34.8	35.4
H2. Rear headroom—from "A" pt. to headlining at 8° back of vertical on 15" line.	34.2	35.0
H3. Front seat height to floor carpet on 15" line (front edge of cushion).	11.0	
H8. Rear seat height to floor carpet on 15" line (front edge of cushion).	12.2	13.8
H11. Entrance—front—cushion "A" point to bottom windcord vertical.	30.2	N/A
H12. Entrance—rear—top of cushion to bottom windcord vertical at C/L of rear door.	27.3	N/A
H13. Steering wheel clearance to seat cushion taken on arc.	5.5	
HA. Front seat vertical rise at "A" pt. (inches.)	1.1	

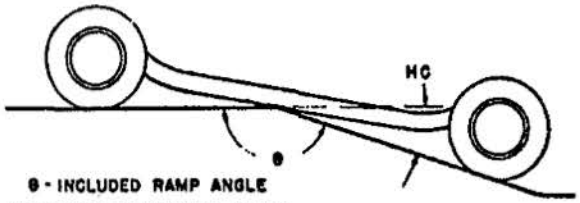
AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1957

MODEL	D-72	D-66	D-67	D-70, D-71

BODY—HEIGHT DIMENSIONS—EXTERIOR





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

H101. Overall height.		56.6	56.8	57.3
HD. Overall height—unloaded.		58.2	58.4	59.1
H102. Front bumper bottom to ground at normal section.	12.9		13.0	13.7
H104. Rear bumper bottom to ground at normal section.	11.1		11.3	11.8
H106. Angle of approach—from the tire rolling radius to lowest point on front bumper or guard.	21.6	21.5	23.4	22.7
H107. Angle of departure—from the tire rolling radius to lowest point on rear bumper or guard.	9.7	9.6	9.9	12.6
HC. Ramp breakover angle.*	10.0		10.2	11.0
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.	12.9		13.0	13.7
H129. Ground to bottom of rear bumper guard.	16.8		14.5	15.0
HD. Min. road clearance (location and dimension).	5.3 (Frame Side Member)		5.4 (a)	5.9 (a)
HE. Min. road clearance at rear axle.	7.3		7.5	

*See Notes, page 19.

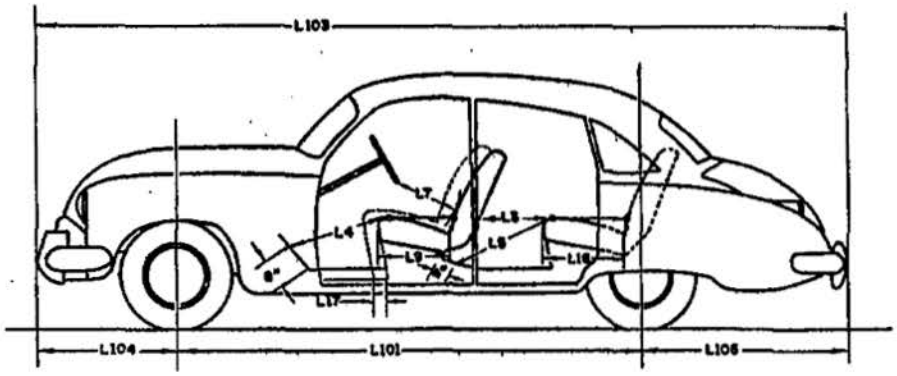
(a) Frame Side Member.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1957

MODEL	D-72, D-66, D-67	D-70, D-71

BODY—LENGTH DIMENSIONS



Interior	L3. Rear compartment back of front seat back to rear seat back.	31.3	28.7
	L4. Leg room—front—diagonal—ball of foot to top of seat to front seat back—15" line.	45.5	
	L5. Leg room—rear—diagonal—from ball of foot to top of rear seat cushion and to seat back.	42.5	40.2
	L7. Steering wheel clearance to seat back taken on arc.	14.9	
	L9. Front seat depth (front edge to vert. tan. to seat back on 15" line).	18.1	
	L16. Depth of rear seat (front edge to seat back).	17.5	17.7
	L17. Total adjustment of front seat at floor.	5.0 (a)	
Exterior	L101. Wheel base.	122.0	
	L103. Overall length (bumper to bumper inc. guards).	212.2	214.4
	L104. Overhang—front including bumper guards.	33.5	33.5
	L105. Overhang—rear including bumper guards.	56.7	58.9

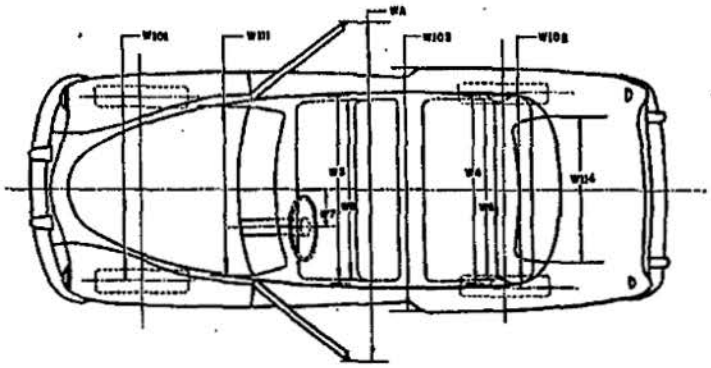
(a) At Curved Track Surface.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1957

MODEL	D-72, D-66, D-67	D-70, D-71

BODY—WIDTH DIMENSIONS



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	N/A
	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	N/A
	W7. Steering wheel center to center of body.	16.1	
Exterior	W101. Front tread at ground.	60.9	
	W102. Rear tread at ground.	59.7	
	W103. Max. overall width of car including bumpers or mouldings.	77.9	
	WA. Max. overall width of car with doors open.	156.8	N/A
	W111. Windshield DLO, max. width.	63.2	
	W114. Back window DLO, max. width.	60.4	N/A

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1957

MODEL	D-72	D-66-1	D-66-2	D-67-1	D-67-2	D-70	D-71

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 - Double Wraparound	
Rear window type (one piece, two piece, three piece; curved, flat)		One Piece, Curved	One Piece, Flat
Windshield glass area		1444	N/A
Backlight glass area		1173	N/A
Total glass area		4148	N/A

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 4-Dr Sdn	G-6 4-Dr Sdn	G-6 4-Dr Sdn	G-6 4-Dr Sdn	G-6 4-Dr Sdn	N-6 Sub	P-6 Cust Sier
D-6 Club Sdn	D-6 Club Sdn	D-6 Club Sdn	K-6 Lancer	K-6 Lancer	P-6 Sierra (X)	P-9 Cust Sier
	K-6 Lancer	K-6 Lancer	J-6 Lancer	J-6 Lancer	P-9 Sierra (X)	
	J-6 Lancer	J-6 Lancer		L-6 Conv.		
	L-6 Conv.					

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: 12-15-56.

INDEX