

AUTOMOBILE MANUFACTURERS ASSOCIATION CONSOLIDATED SPECIFICATION QUESTIONNAIRE

MAKE OF CAR:	DODGE	MODEL NAME	SYMBOL
COMPANY:	Dodge Division Chrysler Corporation Detroit 31, Michigan	Wayfarer	D-41
		Meadowbrook	D-42
		Coronet	D-42
MODEL YEAR:	1952	DATE	10-25-51
			Rev. 2-15-52 (R)

TABLE OF CONTENTS

General Specifications.....	1	Frame.....	16
Engine.....	2	Front Suspension.....	16
Electrical.....	8	Steering.....	17
Drive Units.....	12	Rear Suspension.....	18
Brakes.....	13	Body.....	19
Index.....	24		

- 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-41 Wayfarer	D-42	
		Meadowbrook	Coronet
Wheelbase	115	123.5	
Tread	Front	56-5/16	
	Rear	59	
Maximum Overall Dimensions	Length (L-103)	199-7/8	
	Width (W-103)	74	
	Height (H-101)	63-3/4	
Steering ratio—overall		21.4 to 1 (R)	
Turning diameter (curb to curb)	38' 4" (R)	41' 1"	
Shipping weight*	(R) 3140	3355 (R)	3385 (R)
Transmission— (Specify standard, optional, not avail.)	Conventional	Standard	
	Overdrive	Not Available	
	Automatic	Optional	
Axle ratio	Conventional	3.9 to 1	
	Overdrive	---	
	Automatic	3.9 to 1	
Tire size	6.70 x 15	7.10 x 15	
Engine	Type	In-Line	
	No. of cylinders	6	
	Valve arrangement	I-Head	
	Bore and stroke	3-1/4 x 4-5/8	
	Piston displacement, cu. in.	230.2	
	Standard compression ratio	7.0 to 1	
	Maximum bhp at engine rpm	103 at 3600	
Maximum torque at rpm	190 at 1200 (R)		

*Standard car weight, not including gas and water.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL D-41 D-42

ENGINE—GENERAL

Type	V, In-line, other Angle of V	In-Line ---	
No. of cylinders		6	
Valve arrangement		L-Head	
Bore and stroke		3-1/4 x 4-5/8	
Piston displacement, cu. in.		230.2	
Numbering system (front to rear)	L Bank	---	
	R Bank	---	
Firing order		1-5-3-6-2-4	
Compression ratio	Standard Head	7.0 to 1	
	Optional Head	---	
Cylinders	Head Material	Cast Iron	
	Standard Optional	---	
	Sleeve—Wet, dry, other, none	Dry	
Number of mounting points	Front	One	
	Rear	Two	
Taxable horsepower	(Dia. ² x No. Cyl.) 2.5	25.35	
Advertised max. brake horsepower at engine RPM*	Standard head	103 at 3600	
	Optional head	---	
	With fuel (Octane and method)	Standard Head	75 Motor
		Optional Head	---
Max. torque (lb. ft. @ RPM)	Standard head	190 at 1200 (R)	
	Optional head	---	
Recommended idle speed (neutral)		450 to 500	

ENGINE—PISTONS

Material	Aluminum		
Description and finish	U-Slot, Cam Ground, Tin Plated		
Weight (piston only) oz.	16		
Clearance	Top land	.0305	
	Skirt	Top	3/4 from bottom .0002 to .0012, .0007 Desired
		Bottom	---
Ring groove depth	No. 1 ring	.169	
	No. 2 ring	.169	
	No. 3 ring	.172	
	No. 4 ring	.172	

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

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL D-41 D-42

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
Compression	Material	Iron
	Coating	Tin
	Width	3/32
	Gap	.007 to .015
Maximum wall thickness		.162
Oil	Material	Iron
	Coating	None
	Width	<u>2/64 5/32</u>
	Gap	.007 to .015
	Maximum wall thickness	#3 - .137; #4 - .150
Location of expanders		#3 Ring

ENGINE—PISTON PINS

Material		High Manganese Steel
Length		2-3/4
Diameter		55/64
Type	Locked in rod, in piston, floating, etc.	
	Floating	
	Bushing	In rod or piston
		Rod
		Bronze on Steel
Clearance	In piston	.0000 to .0005
	In rod	+.0001 to +.0002 Selective
Direction offset in piston		None

ENGINE—CONNECTING RODS

Material		High Manganese Forging Steel
Weight (oz.)		27.9
Length (center to center)		7.81
Bearing	Material	Lead Base Babbitt on Steel
	Type (cast-in or removable)	Removable Precision
	Effective length	.93
	Clearance	.0005 to .0015 Desired
	End play	.006 to .011

ENGINE—CRANKSHAFT

Material		Drop Forged Steel
Weight (lb.)		Not Available

AMA Consolidated Specification Questionnaire

Page 4

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL D-41 D-42

ENGINE—CRANKSHAFT (cont.)

Vibration damper type	None	Damped Dynamic Torsional Vibration Absorber	
End thrust taken by bearing (No.)	Four		
Crankshaft end play	.003 to .007		
Main bearing	Material	Babbitt on Steel	
	Type (cast-in or removable)	Removable	
	Clearance	.0005 to .0015 Desired	
	Journal dia. and bearing effective length	No. 1	2.5 x 1.204
		No. 2	2.5 x 1.000
		No. 3	2.5 x 1.000
		No. 4	2.5 x 1.589
		No. 5	---
No. 6		---	
No. 7		---	
Direction offset from cyl. bore	Right		
Connecting rod crankpin journal diameter	3-1/16		

ENGINE—CAMSHAFT

Material	Special cast iron with cams and Distributor - Oil pump drive gear integral		
Bearings	Material	#1, #2, & #3 - Babbitt on Steel, #4 - Cast Iron	
	Number	Four	
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	---
		No. of links	48
		Width	1
		Pitch	.500

ENGINE—VALVE SYSTEM

Hydraulic lifters (yes, no)	No	
Special provision for valve rotation (intake, exhaust)	No	
Rocker ratio	---	
Operating tappet clearance (indicate hot or cold)	Intake	.008 Hot
	Exhaust	.010 Hot
Tappet clearance for timing	Intake	.014
	Exhaust	.014
Timing marks on fly-wheel, damper, other	Crankshaft Fan Drive Pulley	Vibration Damper

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1952

MODEL D-41 D-42

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	8° BTC	
		Closes (°ABC)	36° ABC	
	Exhaust	Opens (°BBC)	37° BBC	
		Closes (°ATC)	7° ATC	
Intake	Material		Alloy Steels	
	Overall length		4-25/32	
	Actual overall head dia.		1-17/32	
	Angle of seat		45°	
	Seat insert material		None	
	Stem diameter		.3405	
	Stem to guide clearance		.001 to .003	
	Lift		23/64	
	Outer spring press. and length	Valve closed (lb. @ in.)	40 to 45 at 1-3/4	
		Valve open (lb. @ in.)	110 to 120 at 1-3/8	
	Inner spring press. and length	Valve closed (lb. @ in.)	---	
		Valve open (lb. @ in.)	---	
	Exhaust	Material		Silicon - Chromium Steel
		Overall length		4-25/32
Actual overall head dia.		1-13/32		
Angle of seat		45°		
Seat insert material		Special Alloy		
Stem diameter		.3405		
Stem to guide clearance		.002 to .004		
Lift		23/64		
Outer spring press. and length		Valve closed (lb. @ in.)	40 to 45 at 1-3/4	
		Valve open (lb. @ in.)	110 to 120 at 1-3/8	
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	Splash
	Camshaft bearings	Pressure
	Tappets	Splash
	Timing gear or chain	Nozzle
	Cylinder walls	Splash

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL D-41 D-42

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Rotary	
Normal oil pressure (lb. @ mph)	45 at 45	
Oil pressure gage type (electric or mechanical)	Mechanical	
Type oil intake (floating, stationary)	Floating	
Oil filter type (full flow, partial flow)	None	Partial Flow
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	Standard	
	Optional head	---	
Fuel tank, capacity (gal.)		17	
Fuel pump	Type (elec. or mech.)	Mechanical	
	Location	Right Side of Engine	
	Pressure range	4 to 5-1/2 lb	
	Vacuum booster (std., optl., none)	None	
Carburetor	Make	Stromberg	
	Model number	BXVD-3-93	
	Number used	One	
	Type	Downdraft, side inlet, other	Downdraft
		Single or dual	Single
	Intake manifold heat control (manual, auto., none)	Automatic	
	Automatic choke type (integral, other)	Automatic Electric on Manifold	
	Air cleaner type	Standard	Oil Bath
Optional		---	

ENGINE—EXHAUST SYSTEM

Muffler type (reverse flow, straight through)	Reverse Flow
Exhaust pipe diameter	2
Tail pipe diameter	1-3/4

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL D-41 D-42

ENGINE—COOLING SYSTEM

Type (pressure system, atmospheric, other)		Pressure-Vent	
Radiator cap relief valve press.		7 psi	
Circulation thermostat	Type (choke, bypass)	Restriction, Permanent By-pass	
	Starts to open at	157° to 162°	
Water pump	Type (centrifugal, other)	Centrifugal	
	Number of pumps	One	
	Drive (V-belt, other)	V-Belt	
	Bearing type	Oilite Bronze Bushing	
By-pass recirculation type (internal, external)		Internal	
Radiator core type (cellular, tube and fin)		Cellular	
Cooling system capacity	With heater (qt.)	15	
	Without heater (qt.)	14	
Water jackets full length of cylinder (yes, no)		Yes	
Water all around cylinder (yes, no)		No	
Radiator hose	Lower	Number and type (molded, straight)	Two, Curved, Molded
		Inside diameter and length	1-1/2
	Upper	Number and type (molded, straight)	One - Curved, Molded
		Inside diameter and length	1-3/4
	By-pass	Number and type (molded, straight)	None
		Inside diameter and length	---
Drive belts	Fan	Number used	One
		Angle of V	36°
		Outside length	49" Approx.
		Width	3/8
	Generator	Angle of V	Same as Fan Belt
		Outside length	---
		Width	---
Fan	Number of blades and spacing		Four - 76° and 104°
	Diameter		17-3/4
	Ratio—fan to crankshaft revolutions		1.96 to 1
	Bearing type		Same as Water Pump

AMA Consolidated Specification Questionnaire

Page 8

MAKE OF CAR DODGE MODEL YEAR 1952
 MODEL D-41 D-42

ELECTRICAL—SUPPLY SYSTEM

Battery	Make	Willard or Auto-Lite		
	Model	HW-1-105-C or IH-105-D		
	SAE designation	1-H		
	Location	Under Hood, Left Side		
	Terminal grounded	Positive		
Generator	Make	Auto-Lite		
	Model	GCW-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	6.4 to 7.0 at 960	
		Reverse current to open	4 to 6	
	Regulated	Voltage	7.1 to 7.4	
		Current	45 to 57*	
		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 6201		
	Rotation (drive end view)	Clockwise		
	Engine cranking speed	35 to 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	
No load test	Amps	50 to 65		
	Volts	6		
	RPM (min.)	4900		
Motor control	Switch (solenoid, manual)	Solenoid		
	Starting procedure	Turn Ignition Key Beyond "Ignition On" Position		

* Higher value denotes initial temporary capacity rating. Bi-metal hinge reduces output to lower value after warm-up period.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL D-41 D-42

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		3/8	

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Auto-Lite
	Model		CR-4001
	Amps	Engine stopped	5
Engine idling		2.25	
Distributor	Make		Auto-Lite
	Model		IAT-4011
	Spark advance data (at distributor shaft)	Centr. advance start (rpm)	0° at 250-450 rpm
		Centr. advance max. deg. @ rpm	9° to 11° at 1426 rpm
		Vacuum advance start (in. Hg.)	1° at 5-1/2 to 6-1/2 in. hg.
		Vac. adv. (max. deg. @ in. Hg.)	7° to 9° at 14 in. hg.
	Breaker gap (in.)		.020
	Cam angle (deg.)		34-1/2° to 38°
Breaker arm tension (oz.)		17 to 20	
Timing	C/S deg. @ rpm		2° BTC at Idle Speed
	Mark location		Crankshaft Fan Drive Pulley Vibration Damper
	Cylinder numbering system (see page 2)		---
	Firing order (see page 2)		1-5-3-6-2-4
Spark plug	Make and model		Auto-Lite Resistor, AR8
	Thread (mm)		14
	Tightening torque (lb. ft.)		30 to 32
	Gap		.035
Cable	Conductor type		Stranded Copper
	Insulation type		Rubber, with Neoprene Jacket
	Spark plug protector		Covers

ELECTRICAL—SUPPRESSION

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

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL D-41 D-42

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make Trip odometer (yes, no)	Auto-Lite Yes
Charge indicator—type		Ammeter
Temperature indicator—type		Bourdon Tube
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 Ignition Circuit Only 1st Position Counterclockwise Accessory Circuit Only
	Provision for illumination	Yes, bulb at Switch
	Location	Right of Steering Column
	Theft protection type	Armored Cable
Main lighting switch	Identify positions and lights controlled	Left Position Off 1st Position Clockwise . . . Instruments, Tail and Parking Lamps. 2nd Position Clockwise . . . Instrument, Head, Tail, and License Lamps
	Locations and lamps controlled	Rotary, Variable, Left of Steering Column on Instrument Panel - all Instrument Lights. Toggle, Left Center Body Pillar - Dome Light Right Rear Door Switch, D-42 Only - Dome Light Right Front Door Switch - D-42 Only - Dome Light
Other light switches	Locations and devices controlled	Windshield Wiper, Right of Steering Column on Instrument Panel - Two Speed
Windshield wiper	Make	Auto-Lite or Redmond
	Type	Electric
	Vacuum booster provision	None
	Washer provision	None
Horn	Type	Vibrator - Airtone
	Number used	One Two
	Amp draw (each)	15 amp

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL D-41 D-42

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		2-2400B
Headlamp beam indicator		1-55
Parking light		2-63
Tail light		2-1154
Stop light		2-1154
Direction indicator	Front	2-1154*
	Rear	2-1154*
	Tell-Tale	1-55*
License plate light		1-63
Instrument light		2-55
Ignition lock light		1-51
Map light		--
Dome light		1-88
Clock light		1-55*
Radio dial light		2-44*
Glove compartment light		1-55*
Courtesy light		--
Trunk compartment light		1-81*
Other		
Back-up Light		2-1129*

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

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL D-41 D-42

DRIVE UNITS—CLUTCH (PEDAL OPERATED)

Make		Borg and Beck or Auburn	
Type (dry or wet plate)		Dry	
In combination with fluid coupling (yes, no)		Yes	
Semi-centrifugal (yes, no)		No	
Type pressure plate springs		Coil	
Total plate pressure (lb.)		1411 or 1367	
No. of clutch driven discs		One	
Clutch facing	Material	Molded Woven Asbestos	
	Inside diameter	6	
	Outside diameter	9-1/4	
	Total eff. area (sq. in.)	77.8	
	Thickness	.125 or .114	
	Number required	Two	
	Engagement cushioning method	Springs, Flat Crimped	
	Release bearing	Type	Ball
		Method of lubrication	Sealed
	Torsional damping	Method (springs, other)	Springs, Coil
Frict. mat.		---	

DRIVE UNITS—TRANSMISSIONS

Conventional (std. or opt.)	Std.
Conventional with overdrive (std. or opt.)	None
Automatic (std. or opt.)	Opt.

DRIVE UNITS—CONVENTIONAL TRANSMISSION

Number of forward speeds		3
Transmission ratios	In first	2.57 to 1
	In second	1.83 to 1
	In third	1.00 to 1
	In fourth	---
	In reverse	3.48 to 1
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

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL D-41 D-42

DRIVE UNITS—AUTOMATIC TRANSMISSION (cont.)

Torque convertor	Number of elements		---
	Max. ratio at stall at engine rpm		---
	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.)		3
	Type recommended		Engine Oil
	Grade	Summer	SAE 10W
		Winter	SAE 10W
		Extreme cold	SAE 5W (R)

DRIVE UNITS—PROPELLER SHAFT

Number used		One		
Type (exposed, torque tube)		Exposed		
Outer diameter x length* x wall thickness	Conventional trans.	54-11/16	35-7/8	
	Overdrive trans.	---		
	Automatic trans.	47-3/8	55-7/8	
Intermediate bearing	Type (plain, anti-friction)	---		
	Lubri. (fitting, prepack)	---		
Universal joints	Make	Not Available		
	Number used	Two		
	Type (ball and trunion, cross, other)	Ball and Trunion		
	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.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL D-41 D-42

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 to 1	
	Overdrive trans.	---	
	Automatic trans.	3.9 to 1	
Pinion adjustment (shim, other)		Solid Shim	
Pinion bearing adj. (shim, other)		Shims	
Lubricant	Capacity (pt.)	3-1/4	
	Type recommended	Extreme Pressure 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 4-1/2 K 15 x 5 K
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4-1/2
	Number and size	5, 1/2 - 20 Am Nat Thd

DRIVE UNITS—TIRES

Size and ply rating	Standard	6.70 x 15 - 4	7.10 x 15 - 4
	Optional	---	---
Rev/mile at 30 mph		748	733
Inflation press. (cold)	Front	24	24
	Rear	24	24

BRAKES—SERVICE

Type		Hydraulic, Internal Expanding Drum	
Booster type		Not Available	
Effective area (sq. in.)		158	173-1/2
Percent brake effectiveness—rear.		40	---
Drum	Diameter	Front	10
		Rear	11
	Type and material	Cast Iron	

AMA Consolidated Specification Questionnaire

Page 16

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL D-41 D-42

BRAKES—SERVICE (cont.)

	Bonded or riveted		Bonded		
		Material	Molded Asbestos		
Brake lining	Primary	Size (length x width x thickness)	Front wheel	10.5 x 2 x .200 (R)	11.5 x 2 x .200 (R)
			Rear wheel	10.5 x 2 x .200 (R)	11.5 x 2 x .200 (R)
			Segments per shoe	One	
	Secondary			Molded Asbestos	
		Size (length x width x thickness)	Front wheel	10.5 x 2 x .200 (R)	11.5 x 2 x .200 (R)
			Rear wheel	8 x 2 x .200 (R)	8.8 x 2 x .200 (R)
		Segments per shoe	One		
Wheel cylinder bore	Front	1-1/8			
	Rear	1-1/8			
Master cylinder bore		1-1/8			
Available pedal travel		7			
Line pressure at 100 lb. pedal load		817			
Shoe clearance adjustment		Toe .006, Heel .006			

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
	Drum diameter	6
	Lining size (length x width x thickness)	15-3/8 x 2 x 5/32

FRAME

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

FRONT SUSPENSION

Type and description	Independent, Lateral Control, with Coil Springs
----------------------	--

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL D-41 D-42

FRONT SUSPENSION (cont.)

Spring	Type	Coil		
	Material	SAE or AISI 5160 (R)		
	Size (length x width x No. leaves or coil I.D.)	4		
	Spring rate (lb. per in.)	360	385	
	Rate at wheel (lb. per in.)			
	Normal load (lb. @ rated length)	(a)		
Shock absorbers	Manufacturer	Own		
	Type (direct or lever)	Direct		
	Piston diameter	1		
Stabilizer	Type (link, linkless, frameless)	Linkless		
	Material	SAE or AISI 5160 (R)		

STEERING

Type used (Standard or optional)	Mechanical	Standard			
	Power	---			
Wheel diameter					
Turning diameter	Wall to wall	Not Available			
	Curb to curb	38' 4" (R)	41' 1"		
Outside wheel angle with inside wheel at 20°					
18-3/4°					
Mechanical	Gear	Type	Worm and Two-Tooth Roller		
		Make	Gemmer		
		Ratios	Gear	18.2 to 1	
		Overall	21.4 to 1		
	No. wheel turns (l. to r.) (l. to r.)		5-1/2		
Power	Type	---			
	Make	---			
	Trade name	---			
	Gear	Type	---		
		Ratios	Gear	---	
			Overall	---	
	Pump driven by		---		
	Overall torque ratio		---		
	Number wheel turns (l. to r.)		---		
	Linkage	Type	Direct, Double Tie Rod		
Location (front or rear of wheels)		Rear			
Drag link (trans. or long)		None			
Tie rods (one or two)		Two			

(a)	Model	Right	Left	Height
	D-41	1470	1535	8-3/4
	D-42	1675	1740	11

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1952

MODEL D-41 D-42

STEERING (cont.)

Kingpin	Inclination at camber (deg.)		5° to 6.5° at 0°
	Diameter		.7953
	Bearings (type)	Upper	Roller
		Lower	Steel Backed Lead Bronze
		Thrust	Ball
Wheel alignment (range and preferred)	Caster (deg.)		-1° to +1°, 0° Preferred
	Camber (deg.)		-3/8° to +3/8° (a)
	Toe-in (outside tread-inches)		0" to 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		Longitudinal Leaf		
Drive and torq. taken through (see page 14)		Rear Springs		
Spring	Type	Semi-Elliptic		
	Material	"Amola" Steel		
	Size (length x width x No. leaves or coil I.D.)	53-5/8 x 1-3/4		
	Spring rate (lb. per in.)	95		
	Rate at wheel (lb. per in.)			
	Normal load (lb. at rated length)	Right 640 at 53-5/8 Left 680 at 53-5/8	Right 680 at 53-5/8 Left 720 at 53-5/8	
	Mounting insulation type	Rubber Bushing		
	If leaf	No. of leaves	7	8
		Covers (yes, no)	No	Yes
		Lubricated (yes, no)	No	Yes
Inserts		Type and size 6 - 3-3/4 x 1-3/4	Material None	
Shackle (comp. or tens.)		Wax Impregnated Fabric		
Shock absorbers	Manufacturer		Compression	
	Type (direct or lever)		Own	
	Piston diameter		Direct	
Stabilizer	Type (link, linkless, frameless)		1	
	Material		None	
Track bar type		-		
		None		

(a) Left side to be 1/4° to 1/2° higher than right side, within these limits.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1952

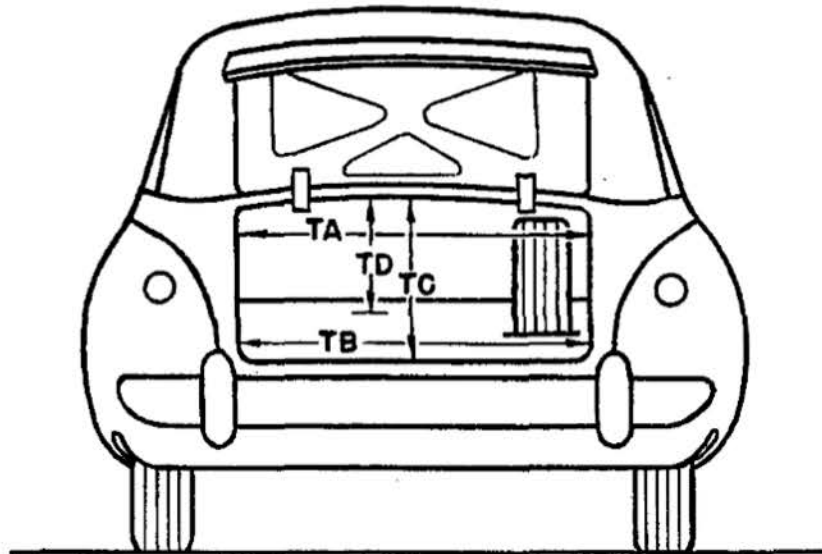
BODY—GENERAL DEFINITIONS

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)—is the supplement of the included ramp angle over which a car can pass without hanging up.

MODEL	D-41	D-42
--------------	------	------

BODY—TRUNK OPENING DIMENSIONS



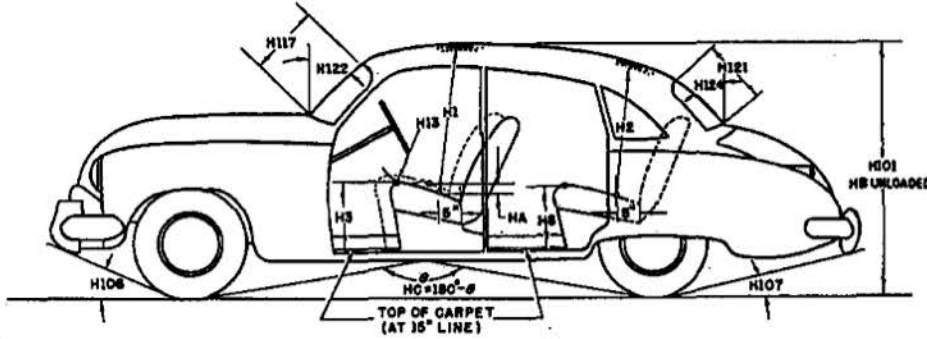
TA—Width across the top	40	40-1/2
TB—Width across the bottom	38-5/8	37-1/2
TC—Diagonal dimension at CL from top of opening to bottom	22-1/2	32-3/4
TD—Vertical height of opening (floor to top, inside edge of opening)	21-1/2	22-1/2
Position of spare tire stowage	Vertical, in longitudinal Well, at right	
Method of holding lid open	Spring Counterbalance	

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL D-41 D-42

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)	37	38
	H2. Rear headroom—from "A" pt. to headlining at 8° back of vertical on 15" line.	36-1/4	36-1/8
	H3. Front seat height to floor carpet on 15" line (front edge of cushion).	14-1/4	15
	H8. Rear seat height to floor carpet on 15" line (front edge of cushion).	14-3/8	15-1/2
	H13. Steering wheel clearance to seat cushion taken on arc.	5-1/8	5-3/8
	HA. Front seat vertical rise at "A" pt. (inches.)	1-1/8	
H101. Overall height.	---		
HB. Overall height—unloaded.	63-3/4	65	
H106. Angle of approach—from the tire rolling radius to lowest point on front bumper or guard.	19°	20°	
H107. Angle of departure—from the tire rolling radius to lowest point on rear bumper or guard.	15°		
HC. Ramp breakover angle.*	14°		
H117. Windshield DLO—slant height.	16-1/2		
H121. Backlight DLO*—Max., slant height.	17-1/8	15	
H122. Windshield slope angle to vertical line on car axis.	42°		
H124. Backlight slope angle to vertical line on car axis.	60°	42°	
HD. Min. road clearance (location and dimension).	6-5/8 - Oil Pan	7 - Oil Pan	
HE. Min. road clearance at rear axle.	8	8-1/4	

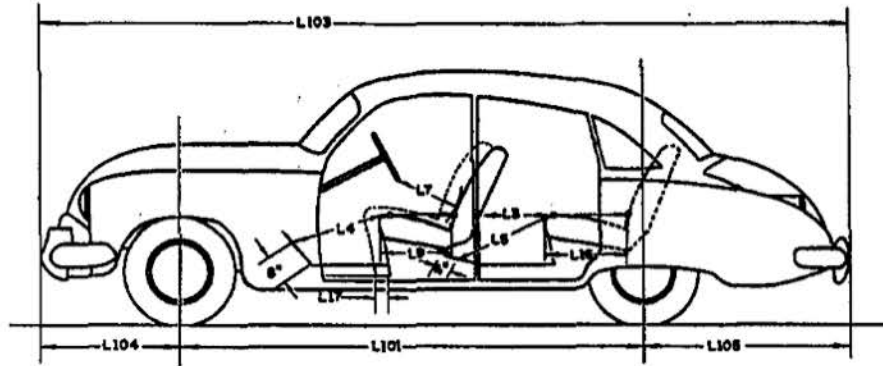
*See Notes, page 19.

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL D-41 D-42

BODY—LENGTH DIMENSIONS



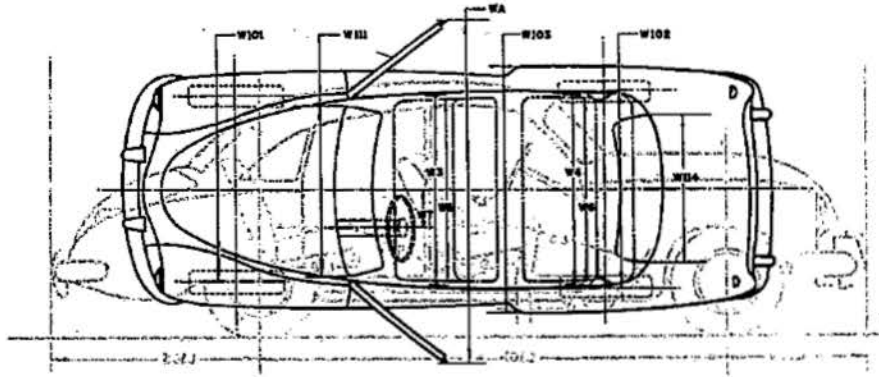
Interior	L3. Rear compartment back of front seat back to rear seat back.	31	35-3/4
	L4. Leg room—front—diagonal—ball of foot to top of seat to front seat back—15" line.	40-1/2	41-7/8
	L5. Leg room—rear—diagonal—from ball of foot to top of rear seat cushion and to seat back.	37-5/8	41-1/2
	L7. Steering wheel clearance to seat back taken on arc.	13-1/4	16
	L9. Front seat depth (front edge to vert. tan. to seat back on 15" line).	18	19
	L16. Depth of rear seat (front edge to seat back).	18-1/2	19
	L17. Total adjustment of front seat at floor.	5	
Exterior	L101. Wheel base.	115	123-1/2
	L103. Overall length (bumper to bumper inc. guards).	199-7/8	206-7/8
	L104. Overhang—front including bumper guards.	34-3/4	
	L105. Overhang—rear including bumper guards.	50-1/8	48-5/8

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE MODEL YEAR 1952

MODEL D-41 D-42

BODY—WIDTH DIMENSIONS



Interior	W3. Front shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	55-3/8		
	W4. Rear shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	52-1/8		
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back.	59-3/4		
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back.	53-3/4		
	W7. Steering wheel center to center of body.		13-1/2	
	W101. Front tread at ground.		56-5/16	
	W102. Rear tread at ground.		59	
Exterior	W103. Max. overall width of car including bumpers or mouldings.	74		74-1/4
	WA. Max. overall width of car with doors open.	164-7/8		146-1/2
	W111. Windshield DLO, max. width.		55-1/2	
	W114. Back window DLO, max. width.	41-3/4		53-1/8

AMA Consolidated Specification Questionnaire

MAKE OF CAR DODGE **MODEL YEAR** 1952

MODEL	D-41 Wayfarer	D-42 Meadowbrook	D-42 Coronet
--------------	------------------	---------------------	-----------------

BODY—TYPES

Body types and number of passengers. (Please use the letter code shown below followed by the number of passengers, e.g. A-6.)	B-3	G-6	G-6
	D-6	---	B-6
	---	---	L-6
	---	---	J-6
	---	---	P-6
	---	---	---
	---	---	---
	---	---	---

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 |
|--|---|

BODY—MISCELLANEOUS INFORMATION

Doors hinged (front, rear)	Front	Rear	Front

Type of finish (lacquer, enamel)	Synthetic Enamel		
Hood opening (front, side; semi-full, full, half)	Front, Full Opening		
Hood counterbalanced (yes, no)	Yes		
Hood release control (internal, external)	External		
Windshield (one piece, two piece; curved, flat)	Two, piece, Flat		
Rear window type (one piece, two piece, three piece; curved, flat)	One piece, Curved		

INDEX

SUBJECT	PAGE	SUBJECT	PAGE
Battery.....	8	Kingpin.....	18
Belts, drive.....	7	Lamp bulbs.....	11
Body		Linings—clutch, brake.....	12, 16
General Body Information.....	19, 23	Lubrication.....	5, 6, 13, 14, 15
Height dimensions.....	20	Muffler.....	6
Length dimensions.....	21	Overdrive.....	13
Overall dimensions.....	1	Piston pins.....	3
Trunk opening dimensions.....	19	Pistons.....	2
Width dimensions.....	22	Propeller shaft.....	14
Types.....	23	Radiator, radiator hoses.....	7
Brakes		Rear axle.....	1, 15
Parking.....	16	Rims.....	15
Service.....	15, 16	Rings.....	3
Camber.....	18	Shock absorbers	
Camshaft.....	4	Front.....	17
Capacities		Rear.....	18
Cooling system.....	7	Spark plugs.....	9
Fuel tank.....	6	Springs	
Lubricants		Front.....	17
Crankcase.....	6	Rear.....	18
Overdrive.....	13	Valve.....	5
Transmissions.....	13, 14	Stabilizer	
Rear axle.....	15	Front.....	17
Carburetor.....	6	Rear.....	18
Caster.....	18	Valve.....	5
Choke, automatic.....	6	Starting motor.....	8
Circuit breakers.....	11	Steering.....	1, 17, 18
Clutch (pedal operated).....	12	Suppression.....	9
Coil, ignition.....	9	Suspension:	
Connecting rods.....	3	Front.....	16, 17
Cooling system.....	7	Rear.....	18
Crankshaft.....	3, 4	Switches.....	10
Cylinders, cylinder head.....	2	Tailpipe.....	6
Distributor.....	9	Timing, engine.....	4, 5, 9
Electrical System.....	8, 9, 10, 11	Tires.....	1, 15
Engine		Toe-in.....	18
Bore and stroke, displacement.....	1, 2	Torque converter.....	14
Compression ratio.....	1, 2	Torque, maximum.....	1, 2
Firing order, cylinder numbering.....	2, 9	Transmission	
General information.....	1, 2	Automatic.....	13, 14
Lubrication.....	5, 6	Conventional.....	12, 13
Type.....	1, 2	Conventional with overdrive.....	13
Exhaust system.....	6	Ratios.....	12
Fan.....	7	Types.....	1, 12, 13
Frame.....	16	Tread.....	1, 22
Fuel.....	6	Turning diameter.....	1, 17
Fuel pump.....	6	Universal joints.....	14
Fuel system.....	6	Valves, intake and exhaust.....	4, 5
Fuses.....	11	Voltage regulator.....	8
Generator.....	8	Water pump.....	7
Horns.....	10	Weight, shipping.....	1
Horsepower		Wheel alignment.....	18
Maximum brake.....	1, 2	Wheelbase.....	1, 21
Taxable.....	2	Wheels.....	15
Ignition system.....	9	Wheel spindle.....	18
Instruments.....	10	Windshield wiper.....	10