

SECTION

2

SPECIFICATIONS

FOR DODGE PROSPECTS WHO WANT ANSWERS TO TECHNICAL QUESTIONS

Here you'll find the details to answer specific technical questions asked by your prospects. All information is easy to find. It is arranged under the following five headings:

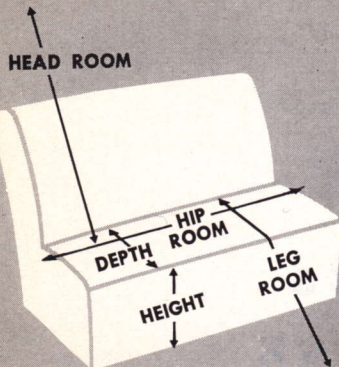
Exterior Dimensions
Interior Dimensions
Engine Specifications
Chassis Specifications
Body—General Data

Exterior and interior dimensions are interesting to practically every prospect. These dimensions prove that Dodge is a big, comfortable, luxurious car. The engine, chassis, and body facts have two important functions: (1) They help you answer the questions of technically minded prospects; (2) They remind you of important benefits that are of interest to most prospects.

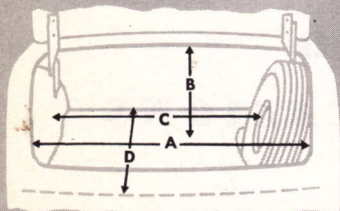
1955 DODGE DIMENSIONS AND SPECIFICATIONS

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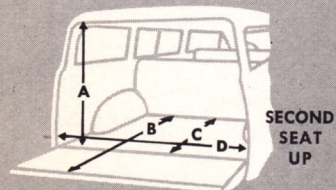
DIMENSIONS



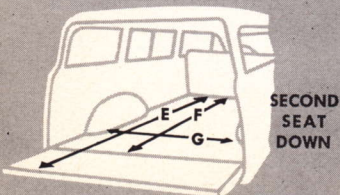
SEATS



LUGGAGE COMPARTMENTS



SECOND SEAT UP



SECOND SEAT DOWN

CARGO SPACE

BASIC SPECIFICATIONS

	4-Door Sedan	2-Door Sedan	Lancer (Hard-Top)	Lancer Convertible	2-Door Suburban	4-Door Sierra
Wheelbase.....	120"	120"	120"	120"	120"	120"
Over-all Length.....	212.1"	212.1"	212.1"	212.1"	214.9"	214.9"
Over-all Width.....	74.5"	74.5"	74.1"	74.5"	74.5"	74.5"
Over-all Height (5-pass. load).....	60.6" ^①	60.6" ^①	59.8"	60.0"	60.5" ^②	60.5"
Ground Clearance (min.).....	5.4" ^③	5.4"	5.4"	N.A.	N.A.	N.A.
Turning Diameter (curb to curb), 6 & 8.....	42" ^④	42" ^④	42" ^④	42" ^④	42" ^④	42" ^④
Wheel Size.....	15 x 5 ^④	15 x 5 ^④	15 x 5	15 x 5	15 x 5 ^④	15 x 5
Tire Size (all 4-ply).....	7.10 x 15 ^⑤	7.10 x 15 ^⑤	7.10 x 15	7.10 x 15	7.10 x 15 ^⑤	7.10 x 15
Rear Axle Ratios.....	3.9-3.73	3.9-3.73	3.9-3.73	3.9-3.73	3.9-3.73	3.9-3.73
Easy-Shift Transmission, 6 & 8.....	4.3-4.1	4.3-4.1	4.3-4.1	4.3-4.1	4.3-4.1	4.3-4.1
Easy-Shift Transmission with Automatic Overdrive, 6 & 8.....	3.73-3.54	3.73-3.54	3.73-3.54	3.73-3.54	3.73-3.54	3.73-3.54
PowerFlite, 6 & 8.....	—	—	—	—	—	—
Shipping Weight—lbs.....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Six.....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Eight.....	—	—	—	—	—	—

INTERIOR DIMENSION

	4-Door Sedan	2-Door Sedan	Lancer (Hard-Top)	Lancer Convertible	2-Door Suburban	4-Door Sierra
Hiproom..... front.....	62.5"	62.5"	62.5"	62.5"	N.A.	2 Seat 3 Seat N.A. N.A.
rear or 2nd.....	62.8"	62.8"	51.5"	46.8"	N.A.	N.A. N.A.
3rd.....	—	—	—	—	—	— N.A.
Seat Height..... front.....	13.4"	13.4"	13.4"	13.4"	13.4"	13.4" 13.4"
rear or 2nd.....	12.8"	12.8"	13.0"	13.0"	14.3"	14.3" 14.3"
3rd.....	—	—	—	—	—	— N.A.
Seat Depth..... front.....	18.0"	18.0"	18.0"	18.0"	18.0"	18.0" 18.0"
rear or 2nd.....	17.8"	17.8"	17.8"	17.8"	18.6"	18.6" 18.6"
3rd.....	—	—	—	—	—	— N.A.
Legroom..... front.....	44.5"	44.5"	44.5"	44.5"	44.5"	44.5" 44.5"
rear or 2nd.....	45.0"	45.0"	43.6"	43.6"	43.0"	43.0" 43.0"
3rd.....	—	—	—	—	—	— N.A.
Headroom..... front.....	35.5"	35.5"	34.8"	35.0"	35.6"	35.6" 35.6"
rear or 2nd.....	34.9"	34.9"	34.4"	33.8"	35.8"	35.8" 35.8"
3rd.....	—	—	—	—	—	— N.A.

LUGGAGE COMPARTMENT DIMENSIONS

A Width of Opening (bottom).....	50.5"	50.5"	50.5"	50.5"	—	—
B Height of Opening (min.).....	24.0"	24.0"	24.0"	24.0"	—	—
C Minimum Width (wheel-housing to spare).....	N.A.	N.A.	N.A.	N.A.	—	—
D Floor Depth (front to rear max.).....	55.0"	55.0"	56.0"	56.0"	—	—

CARGO COMPARTMENT DIMENSIONS

A Rear Opening Height.....	—	—	—	—	33.0"	33.0" 33.0"
B Floor Length with Tailgate Open—2nd Seat Up.....	—	—	—	—	84.9"	84.9" N.A.
C Floor Length with Tailgate Up—2nd Seat Up.....	—	—	—	—	60.9"	60.9" N.A.
D Rear Opening Width at Floor (max.).....	—	—	—	—	50.5"	50.5" 50.5"
E Floor Length with Tailgate Open—2nd Seat Down.....	—	—	—	—	109.3"	109.3" N.A.
F Floor Length with Tailgate Up—2nd Seat Down.....	—	—	—	—	85.3"	85.3" N.A.
G Width between Wheelhousings.....	—	—	—	—	46.5"	46.5" 46.5"

Coronet Six ^① 60.3" ^② 60.2" ^③ 5.0" ^④ 15 x 4½ ^⑤ 6.70 x 15

ENGINE

Basic Specifications

Number of cylinders and type	Eights—90° V. Six—In-line	
Valve arrangement	Eights—Overhead. Six—Side valve	
Combustion chamber	Super Red Ram—Hemispherical. Red Ram—Polyspherical. Six—Conventional L-Head	
Bore and stroke	Eights—3.63" x 3.256" Six—3.25" x 4.63"	
Piston displacement (cubic inches)	Eights—270. Six—230	
Compression ratio	Eights—7.6 to 1. Six—7.4 to 1	
Maximum brake horsepower	Super Red Ram—183 at 4400 r.p.m.* Red Ram—175 at 4400 r.p.m. Six—123 at 3600 r.p.m.	
Maximum torque (ft.-lbs.)	Super Red Ram—245 at 2400 r.p.m. Red Ram—240 at 2400 r.p.m. Six—194 at 1600 r.p.m.	
Taxable horsepower (SAE)	Eights—42.16. Six—25.35	
Engine revolutions per mile in high gear (30 m.p.h.)		
Standard (manual shift)	Eights	Six
PowerFlite	2734	2917
Overdrive	2594	2790
	2346	2543
Engine mounting type	3-point Floating Power	

Camshaft

Material	High-test cast alloy iron	
Number of bearings	Eights—5 replaceable micro-babbitt type. Six—3 replaceable micro-babbitt type, 1 cast iron, integral with cylinder block	
Camshaft drive	Silent chain type	

Connecting Rods

Type and material	Drop-forged manganese steel —I-beam section
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*193 at 4400 r.p.m. with Power Pack.

Connecting Rods (cont'd)

Bearing type and material	Replaceable precision, steel-backed micro-babbitt
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Crankshaft

Type and material	Drop-forged steel with integral counterweights
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Cooling System

Type	Continuous internal by-pass with Pressure-Vent cap (7 psi)
Water Pump	Centrifugal type with Vee-belt drive
Radiator	Cellular-type core
Capacity	Eights—19 quarts, 20 with heater. Six—14 quarts, 15 with heater
Fan	Eights—4 blades, 18" diameter. Six—6 blades, 17" diameter

Electrical System

Battery	6-volt, 15-plate, 105 amp.-hrs. <i>except</i> 6-volt, 17-plate, 120 amp.-hrs. on all 6-cyl. engines with PowerFlite Drive
Generator	45-ampere, heavy-duty, shunt-wound
Generator regulator	Full current and voltage control with special bimetal hinge to give cold charging rate of 57 amperes
Starter switch control	Ignition-key starting
Starter drive	"Follow Through" (anti-kickout type)
Headlights	Sealed-beam with "bull's-eye" lenses
Headlight beam indicator	In speedometer dial
Electrical circuit protection	Circuit breaker

Exhaust System

Manifold heat control	Automatic
Muffler type	Reverse flow*

*Dual mufflers with Power Pack.

Distributor

Timing advance control	Dual automatic (vacuum and mechanical)
Number of breaker points	Eights—2 sets. Six—1 set
Spark plugs	14 mm. resistor-type

Fuel System

Tank capacity and type	17-gallon tank with internal and external venting
Filter type and location	Oilite, self-cleaning type in fuel tank
Recommended fuel type	Regular
Carburetor type	Double-barrel, downdraft*
Air cleaner	Heavy-duty, oil-bath
Choke operation	Automatic, integral with carburetor

Lubrication

Main bearings	Pressure
Connecting rod bearings	Pressure
Camshaft bearings	Pressure
Piston pin bearings	Jet spray
Timing chain	Metered pressure
Rocker levers (Eights)	Metered pressure
Oil pump	Rotary-type
Oil intake	Floating-type
Oil filter	Micronic, replaceable element
Crankcase capacity	Refill, 5 quarts. With filter replacement, 6 quarts

Pistons

Type and material	Eights—elliptically turned—steel band, slipper type, tin-plated aluminum alloy. Six—U-slot, cam-ground, tin-plated aluminum alloy
Piston rings	Eights—3 rings per piston, 1 oil, 2 compression. Six—4 rings per piston, 2 oil, 2 compression
Piston pin type	Full floating

Valves

Intake valve material	Silicon-chromium steel
Exhaust valve material	XCR alloy steel

*Four-barrel carburetor with Power Pack.

Valves (cont'd)

Exhaust valve seat inserts	Super Red Ram V-8 and Six, super-hard alloy iron
Valve tappet type	Eights—Hydraulic self-adjusting. Six—adjustable self-locking

CHASSIS

Basic Specifications

Wheelbase	120"
Tread, front	58.91"
Tread, rear	59.12"
Frame type	Welded, double-channel box-section side rails, 4 cross-members
Suspension, front	Independent, coil spring type with Oriflow shock absorbers mounted inside springs
Suspension, rear	2 toed-in leaf springs. 5 leaves each (4 on 6-cyl. models), 2.50" wide. "Sea-Leg" mounted Oriflow shock absorbers

Brakes—Parking

Type and description	Independent, propeller shaft mounted external-contracting type. Two-shoe internal-expanding type with PowerFlite.
Lining contact area	With PowerFlite 26.125 sq. in. All others 30.75 sq. in.

Brakes—Service

Type	Safe-Guard hydraulic
Lining	Cyclebond, rivetless
Lining contact area	173.5 sq. in.
Drums	Cast iron
Drum diameter	11"
Lining width	2"
Wheel cylinders (front)	Two opposed cylinders in each front brake
Wheel cylinders (rear)	Two-piston cylinder in each rear brake
Shoes	Two-shoe hydraulic, independently anchored
Power option	Above specifications apply. Power unit is vacuum-suspended type

Clutch

Type and description . . . Single-plate, dry disc
Plate diameter 10"
Throw-out bearing Sealed, ball-type

Final Drive

Rear axle, type Semi-floating
Gear, type Hypoid
Gear ratios Eights: Standard—3.73 to 1,
Overdrive—4.1 to 1, Power-
Flite—3.54 to 1. Six:
Standard—3.9 to 1, Overdrive
—4.3 to 1, PowerFlite—
3.73 to 1
Final drive, type Hotchkiss

Steering System—Mechanical

Type and description . . . Eight—Idler arm, equal-
length tie rods
Six—Direct, long and short
rods
Gear, type Worm and 3-tooth roller
Gear, ratio 18.2 to 1
Over-all steering ratio . . . Eight—26 to 1. Six—23 to 1
Steering wheel diameter . . . 18"
Wheel turns—stop to
stop, minimum 4½
Turning diameter—
curb-to-curb Eights—42' 4"
Six—42' 10"

Steering System—Power

Type and description . . . Coaxial, built-in hydraulic
power cylinder. Eight—Idler
arm, equal-length tie rods.
Six—Direct, long and short
rods.
Pump type and location . . . Rotary, mounted at rear of
generator
Gear, ratio 16.2 to 1
Over-all steering ratio . . . Eight—20.4 to 1. Six—19.6 to 1

Suspension—Front

Type Independent, with non-
parallel control arm design
Springs Helical coil
Stabilizer One-piece, linkless, torsion-
rod type

Suspension—Front (cont'd)

Shock absorbers Oriflow. Direct-acting
hydraulic, orifice type
mounted inside coil springs
Limit bumpers Rubber compression and
rebound
Total suspension, free
travel at wheel 9"
Jounce travel (in
compression) with
3-passenger load 4.375"

Suspension—Rear

Springs, type Tapered leaf
Springs, length and
width 53.625" long, 2.50" wide
Number of leaves Eight—5. Six—4. Suburbans—6
Spring mounting Mounted on silent block
bushings in front, rubber-
bushed shackles in rear
Shock absorbers Oriflow. Direct-acting,
hydraulic, orifice type
Shock absorber
mounting "Sea-Leg" mounted on
rubber bushings
Limit bumpers 2 rubber compression
bumpers for each spring
Jounce travel (in
compression) with
3-passenger load 5.50"

Transmission (Manual Shift)

Type and description . . . Synchro-Silent, three-speed,
helical gear type. Constant-
mesh gear in second and
third, sliding gear in low
and reverse
Gear ratios First—2.57, Second—1.83,
Third—1.00, Reverse—3.48

Transmission—With Overdrive Option

Type and description . . . Planetary, three-pinion, with
manual lockout and
accelerator downshift control.
Ratio—0.7 to 1, min.
cut-in—25 m.p.h.

Transmission—PowerFlite Option

Description and type . . . Three-element, air-cooled
torque converter and two-
speed planetary transmission.
Self-contained oil system

Transmission—PowerFlite Option (cont'd)

Torque multiplication	2.6 (maximum)
Gear ratios	Low—1.72, Drive—1.00, Reverse—2.39

Universal Joints and Propeller Shaft

Universal joints	Ball and trunnion-type with roller bearings—front and rear joints
Propeller shaft	Precision-balanced tubular-steel type
Drive thrust taken through	Rear springs
Drive and brake torque reaction taken through	Rear springs

Wheels and Tires

Wheel bearings	Tapered-roller type
Wheel size and type	Eights—15 x 5, Safety-Rim Six—15 x 4½, Safety-Rim
Wheel revolutions per mile @ 30 m.p.h.	Eights—733, Six—748
Tire size	Eights—7.10 x 15, Six—6.70 x 15

BODY—GENERAL DATA

Construction, type and material	All-steel
Deck lid	Torsion spring counter-balanced with semi-rotary, self-latching closure
Defroster vents	Full-width
Dome light	Automatic switch at all doors, Custom Royal and Royal models. Curbside door switches, Coronet models. Manual switch on dome light, all models
Door handles, exterior	Push-button type
Door locks, front exterior	Separate lock cylinder, ignition-key operated
Door locks, interior	Safety, push-down-type button on rear doors lock inside and outside door handles. Front door handles push forward to lock
Door sills	Box-section, floor-level
Electrical circuit protection	Circuit breaker
Fenders, front	Bolted-on type
Fenders, rear	Integral type

Finish, exterior	Two coats of baked enamel over one coat of sealer, two coats of primer and a rustproofing coat
Floor pan	Channel and rib-reinforced steel
Footrest, rear	Fixed type
Glass, safety	Laminated windshield and side windows. Heat-tempered vent wings and rear window
Glass, Solex-Tinted	Green-tinted safety glass provides glare and solar heat reduction
Headlights	Sealed-beam with "bull's-eye" lenses
Hood	One-piece, front-opening, counterbalanced
Insulation, blanket-type	Heavy fiber roof silencer pads, felt pads under front and rear floor mats, fiber dash liner
Insulation, mastic-type	Mastic sound deadener covers floor pan, coats inside of cowl panel, used inside of door outer panels, at rear quarter panel, at rear fender and luggage compartment
Seats, front	Triple-race, ball-bearing, spring-assisted adjustment gives forward-and-up movement. Forward travel—5", rise—1.12"
Seats, general	Zigzag spring construction in all seat cushions and split seat backs. Coil springs in all other seat backs
Sun visors	Three-way adjustable (except convertible)
Taillights	Dual lights designed to incorporate stop, back-up, and rear directional lights
Vent-wing locks	Push-button type, locks against division bar
Windshield wipers	Electric, variable speed—Royal and Custom Royal. Constant speed—Coronet
Windshield glass area	1063 sq. ins.
Rear window glass area (4 Door Sedan)	1134 sq. ins.
Total glass area (4 Door Sedan)	3452 sq. ins.