

AMA Specifications—Passenger Car

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MANUFACTURER	CHRYSLER-PLYMOUTH DIVISION CHRYSLER CORPORATION	CAR NAME	PLYMOUTH BELVEDERE
MAILING ADDRESS	DETROIT, MICHIGAN 48231	MODEL YEAR	1968
		ISSUED:	
		REVISED (a)	

NOTES:

- The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
- UNLESS OTHERWISE INDICATED:
 - Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - Nominal design dimensions are used throughout these specifications.

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BODY - TYPES AND STYLE NAMES -		Body type, number of passenger & style names; use manufacturer's code for series & body style.					
		2-Door Coupe 21	2-Door Hardtop 23	Conv. coupe 27	4-Door Sedan 41	2-Seat Station Wagon 45	3-Seat Station Wagon 46
Belvedere	RL	6-lyl V-8 RL 21			RL 41	RL 45	
Road Runner	RM	V-8 RM 21					
Satellite	RH	6-lyl V-8	RH 23	RH 27	RH 41	RH 45	RH 46
Sport Satellite	RP	V-8	RP 23	RP 27			
Satellite "51" Wagon	RP	V-8				RP 45	RP 46
GTX	RS	V-8	RS 23	RS 27			

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CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions
(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	D/R-E, L, H						D/R-P63	
		BENCH SEAT						BUCKET SEAT	
		21	23	27	41	45	46	23	27

FRONT COMPARTMENT

Effective head room	H61	37.3	37.3	39.3	38.6	39.4	39.4	37.3	37.3
Max. eff. leg room - accelerator	L34	41.8	41.8	41.8	41.9	41.9	41.9	41.4	41.4
H Point to Heel point	H30	8.1	8.1	8.1	8.6	8.6	8.6	8.1	8.1
H Point travel	L17	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Shoulder room	W 3	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
Hip room	W 5	60.6	60.6	60.6	60.9	60.4	60.4	60.5	60.5
Upper body opening to ground	H50	48.6	48.6	48.8	50.3	50.9	50.9	48.6	48.8

REAR COMPARTMENT

H Point couple distance	L50	31.5	31.5	32.0	34.0	34.0	34.0	31.9	32.4
Effective head room	H63	36.7	36.7	37.2	37.4	39.3	39.3	36.7	37.2
Min. effective leg room	L51	33.1	33.1	34.0	36.3	36.3	36.3	34.1	34.6
H Point to Heel point	H31	9.9	9.9	9.9	11.0	11.0	11.0	9.9	9.9
Min. knee room	L48	2.1	2.1	2.5	3.8	3.8	3.8	3.2	3.6
Rear Compartment room	L 3	25.2	25.2	25.5	27.8	27.5	27.5	25.3	25.7
Shoulder room	W 4	58.1	58.1	48.6	58.1	58.1	58.1	58.1	48.6
Hip room	W 6	60.6	60.6	45.7	60.8	60.4	60.4	60.6	45.7
Upper body opening to ground	H51	—	—	—	50.1	50.7	50.7	—	—

LUGGAGE COMPARTMENT

Usable luggage capacity	V 1	
Liftover height	H195	
Position of spare tire storage		
Method of holding lid open		

STATION WAGON - THIRD SEAT

Shoulder Room	W85	50.5
Hip room	W86	41.5
Effective leg room	L86	31.8
Effective head room	H86	35.0
Seat facing direction		REAR

STATION WAGON - CARGO SPACE

Cargo length at floor - front seat	L202	
Cargo length at belt - front seat	L204	
Cargo width - wheelbase	W201	
Opening width at belt	W204	
Maximum cargo height	H201	
Rear opening height	H202	
Cargo volume index (cu. ft.) W4 x L204 x H201 - 1725	V2	

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POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)	
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP RPM	Torque RPM			
Std: RL21, 41; RH23, 27, 41	225	1,1-bbl	8.4			Manual 3-Speed	3.23*, 3.55	
						Automatic	2.93, 3.23*, 2.94*, 3.55	
Std: RL45; RH45, 46						Manual 3-Speed	3.23*, 3.55	
						Automatic	2.94*, 3.23*, 3.55	
Std: PL, RH	273	1,2-bbl	9.0			Manual 3-Speed	3.23*, 2.94*, 3.55	
			Automatic			2.94*, 3.23*, 3.55		
Std: RP	318		9.2			Manual 3-Speed	2.94*, 3.23*, 3.55	
Std: RL, RH						Automatic	2.76, 3.23*, 2.94	
Std: RM	383	1,4-bbl	10.0			Manual 4-Speed	3.23*	
						Automatic	2.76, 3.23*, 2.94*	
Opt: RL, RH, RP							Manual 4-Speed	3.23*
							Automatic	3.23*
Std: RS	440	2,4-bbl	10.1			Automatic	3.23*	
			Manual 4-Speed			3.54**		
			Manual 4-Speed			3.54**		
			Automatic			3.23*		
Opt: All Models	426 Hemi	2,4-bbl	10.25			Manual 4-Speed	3.54**	
						Automatic	3.23*	

NOTE: Axle ratios marked with a single asterisk(*) also are available in Sure-Grip; those marked with a double asterisk(**) are available only in Sure-Grip.

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MAKE OF CAR	PLYMOUTH BELVEDERE	MODEL YEAR	1968	DATE ISSUED	REVISED (a)		
MODEL	std RL, RH	std RL, RH, RP	OPT STD RL, RH, RP	OPT ALQH RP	std - RM, OPT RL, RH, RP	std RS	OPT ALL

ENGINE—GENERAL

Type, no. cyls., valve arr.	6, in-line			90° V-8		
Bore and stroke (nominal)	3.4 x 4.125	3.63 x 3.31	3.91 x 3.31	4.25 x 3.38	4.32 x 3.75	4.25 x 3.75
Piston displacement, cu. in.	225	273	318	383	440	426
Bore spacing (C to C)	(a)	4.46		4.80		
No. system	L. Bank	--		1-3-5-7		
(front to rear)	R. Bank	--		2-4-6-8		
Firing order	1-5-3-6-2-4		1-8-4-3-6-5-7-2			
Compress. ratio (nominal)	8.4	9.0	9.2	10.0	10.1	10.25
Cylinder Head Material	Cast iron					
Cylinder Block Material	Cast iron					
Cyl. Sleeve-Wet, dry, none	None					
Number of	Front	Two				
mtg. points	Rear	One				
Engine installation angle	Laterals 0°, up 2.6°					
Taxable $\frac{\text{Dia}^2 \times \text{No. Cyl.}}{\text{horsepower 2.5}}$	27.7	42.2	48.9	57.8	59.7	57.8
Publishing max. bhp* @ eng. RPM						
Publishing max. torque* (lb. ft. @ RPM)						
Recommended fuel regular - premium	Regular			Premium		

ENGINE—PISTONS

Material	Aluminum alloy					
Description and finish	Closed slipper-type, steel strut, elliptically-turned, tin-plated					
Weight (piston only) oz.	16.4	19.3	20.9	27.2	30.2	29.7
Clearance (limits)	Top land	.024 min	.017 min	.013 min	.022 min	.023 min
	Skirt Top	.0005 - .0015		.00025 - .00125		
	Bottom	-.0005 to +.0015		-.00125 to +.00125		
Ring groove depth	No. 1 ring	.179	.191	.205	.220	.215
	No. 2 ring	.179	.191	.205	.220	.215
	No. 3 ring	.181	.182	.193	.208	.191
	No. 4 ring	--				

* Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

(a) 3.98 (1-2, 3-4, 5-6), 4.00 (2-3, 4-5). (b) .0015 to .0035.

(9) See p 3 for explanation 5-31-67

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PLYMOUTH MAKE OF CAR BELVEDERE	MODEL YEAR 1960	DATE ISSUED	REVISED (a)
See Page 3 for Engine Usage			
MODEL	225 CID	273 CID	318 CID
			383 CID
		2-bbl	4-bbl
		440 CID	426 CID
			Memi

ENGINE—RINGS

Function (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.	None		
Compression	Description - material, coating, etc.	#1 (a)	(b)	(c)
		#2 (d)	(e)	
	Width	.078		
	Gap	.010 - .020		
Oil	Description - material, coating, etc.	3-piece abutment-type, stainless steel spacer-expander with chrome-plated segments		
	Width	.188		
	Gap	Not applicable		
	Expanders	See above		

ENGINE—PISTON PINS

Material		High manganese steel			
Length		2.965	2.815	2.995	3.565
Diameter		.9008	.9842	1.0936	1.0311
Type	Locked in rod, in piston, floating, etc.	Press-fit in rod	Floating	Press-fit in rod	Floating
	Bushing	None	Rod	None	Rod
	In rod or piston	None	(f)	None	(f)
	Material	- -	(f)	- -	(f)
Clearance	In piston	(g)	.0000 - .0005	(g)	(h)
	In rod	(i)	.0003 - .0006	(i)	(j)
Direction & amount offset in piston		Right .06			

ENGINE—CONNECTING RODS

Material		Drop-forged steel			
Weight (oz.)		26.8	25.6	28.6	29.8
Length (center to center)		6.699	6.123	6.358	6.768
Bearing	Material & Type	(k)	Bi-metal grid	(k)	Tri-metal
	Overall length	.985	.843	.927	
	Clearance (limits)		.0002 - .0022	.0005 - .0030	.0010 - .0035
	End play	.005 - .012	.006 - .014 (l)	.009 - .017 (m)	(l)

- (a) Cast iron, twist and taper, tin-plated.
 (b) Cast iron, twist and radius-faced, tin-plated.
 (c) Cast iron, twist and barrel-lap faced, moly-filmed.
 (d) Cast iron, reverse twist and taper, lubrite-coated.
 (e) Cast iron, reverse twist and taper, tin-plated.
 (f) Bronze on steel.
 (g) .00045 to .00075.
 (h) .0001 - .0006.
 (i) .0007 - .0014 interference.
 (j) .0002 - .0007.
 (k) Lead-base babbitt on steel.
 (l) two rods.

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MAKE OF CAR	PLYMOUTH BELVEDERE			MODEL YEAR	1968	DATE ISSUED	REVISED ^(a)	
See Page 4 For Engine Usage								
MODEL	225 CID	273 CID	318 CID	383 CID	440 CID	426 CID		
				2-bbl	4-bbl	Hemi		

ENGINE—CRANKSHAFT

Material		(a)	Cast ductile iron				(a)
Vibration damper type		Non-adhesive, rubber, dynamic					
End thrust taken by bearing (No.)		Three					
Crankshaft end play		.002 - .007					
Main bearing	Material & type		Lead-base babbitt on steel, removable, precision				(b)
	Clearance		.0002-.0022 specified, .0005-.0015 desired				(c)
	Journal dia. and bearing overall length	No. 1	2.75x1.034	2.5 x 0.872	2.625 x 0.944	2.75 x 0.944	
		No. 2	2.75 x 1.034	2.5 x 0.872	2.625 x 0.944	2.75 x 0.944	
		No. 3	2.75x1.254	2.5 x 1.151	2.625 x 1.223	2.75 x 1.223	
		No. 4	2.75x1.034	2.5 x 0.872	2.625 x 0.944	2.75 x 0.944	
		No. 5	- -	2.5 x 1.562	2.625 x 0.944	2.75 x 0.944	
		No. 6	- -				
		No. 7	- -				
	Dir. & amt. cyl. offset		None				
Crankpin journal diameter		2.187	2.125	2.375			

ENGINE—CAMSHAFT

Location		Right	Center of "V"			
Material		Hardenable cast iron; oil pump and distributor drive cast integrally				
Bearings	Material	Lead-base babbitt on steel				
	Number	Four	Five			
Type of Drive	Gear or chain		Chain			(d)
	Crankshaft gear or sprocket material		Malleable cast iron or sintered iron (Super Oilite)			Steel
	Camshaft gear or sprocket material		Cast iron		Nylon-coated aluminum	Cast iron
	Timing chain	No. of links	50	68	50	66
		Width	.88	.63	.75	.86
		Pitch	.50	.375	.50	.375

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		NA	Std	NA
Valve rotator, type (intake, exhaust)		Low-friction lock on exhaust		
Rocker ratio		1.5		
Operating tappet clearance (indicate hot or cold)	Intake	.010 hot	Hydraulic	.028 cold
	Exhaust	.020 hot	Hydraulic	.032 cold
Timing marks on flywheel, damper, other		Stationary indicator on chain case cover		

(a) Drop-forged steel.

(Continued)

(b) Tri-metal: steel back, copper-lead, intermediate layer of high-lead overplate.

(c) .0015 - .0025

(d) Double roller chain.

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MAKE OF CAR	MODEL YEAR 1968			DATE ISSUED		REVISED (a)	
	See Page 4 for engine usage						
MODEL	225 cu in.	273 cu in.	318 cu in.	383 cu in.		440 cu in.	426 Hemi
				2-bbl	4-bbl		

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	10	10	18	21	36
		Closes (°ABC)	50	50	58	67	68
		Duration-deg.	240	240	256	268	284
	Exhaust	Opens (°BBC)	50	58	64	79	80
		Closes (°ATC)	6	10	14	25	24
		Duration-deg.	236	248	260	284	284
	Valve opening overlap		16	20	32	46	60
Intake	Material		SAE 1041				Stichrome XB
	Overall length		4.77	4.98	4.87		5.41
	Actual overall head dia.		1.62	1.78	2.08		2.25
	Angle of seat & face, deg		Seat: 44.5-45; valve: 45-45.5				
	Seat insert material		None				
	Stem diameter		.372 - .373				
	Stem to guide clearance		.001 - .003				
	Lift (@ zero lash)		.394	.372	.425	.450	.490
	Outer spring press. and length	Valve closed (lb. @ in.)	62 @ 1.65	92 @ 1.65	125 @ 1.86	115 @ 1.86	115 @ 1.86
		Valve open (lb. @ in.)	154 @ 1.26	185 @ 1.28	200 @ 1.43	225 @ 1.43	250 @ 1.37
	Inner spring press. and length	Valve closed (lb. @ in.)	None				Surge damper
		Valve open (lb. @ in.)	None				Surge damper
Exhaust	Material		21-4H				21-4H (a)
	Overall length		4.80	5.00	4.89		4.86
	Actual overall head dia.		1.36	1.50	1.74		1.94
	Angle of seat & face, deg		47-47.5	Seat: 44.5-45; valve: 45-45.5			
	Seat insert material		None				
	Stem diameter		.371 - .372				
	Stem to guide clearance		.002 - .004				
	Lift (@ zero lash)		.390	.400	.437	.465	.480
	Outer spring press. and length	Valve closed (lb. @ in.)	62 @ 1.65	92 @ 1.65	125 @ 1.86	115 @ 1.86	115 @ 1.86
		Valve open (lb. @ in.)	154 @ 1.26	192 @ 1.25	202 @ 1.42	227 @ 1.42	234 @ 1.41
	Inner spring press. and length	Valve closed (lb. @ in.)	None				Surge damper
		Valve open (lb. @ in.)	None				Surge damper

ENGINE—LUBRICATION SYSTEM

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

(a) Stellite-faced.

(Continued)

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MAKE OF CAR PLYMOUTH BELVEDERE MODEL YEAR 1968 DATE ISSUED _____ REVISED (a) _____MODEL See Page 3 For Code

225 CID	273 CID	383 CID	440 CID	426 CID
	318 CID	2-bbl	4-bbl	

ENGINE - LUBRICATION SYSTEM (cont.)

Oil pump type	Rotary
Normal oil pressure (lb. engine rpm)	45-65 @ 2000
Oil press. sending unit (elect. or mech.)	Electric
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part., other)	Full flow (c)
Filter replacement (element, complete)	Complete
Capacity of a case, less filter-refill (qt.)	4 5
Oil grade recommended (SAE viscosity and temperature range) (b)	Consistently above +32F: SAE 10W-30, 20W-40, or 30 Occasionally as low as -10F: SAE 10W-30 Consistently between +32F and -10F: SAE 10W-30 or 10W Consistently below +10F: SAE 5W-20 (c)
Engine Service Reqmt. (MM, MS, etc.)	MS

ENGINE - EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single with cross-over	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse		Two Reverse Flow
Exhaust pipe dia. (O.D. & wall thick.)	Branch	1.75 x .075	1.88 x .075
	Main	1.88 x .075	2.00 x .075
		2.25 x .083	2.50 x .083
Tail pipe dia. (O.D. & wall thickness)	1.75 x .043	1.88 x .043	2.25 x .053

ENGINE - CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Induction system
	Optional	None
Make and model	(d)	(e)
Location	Cylinder head cover outlet	
Energy source (manifold vacuum, carburetor air stream, other)	Manifold vacuum	
Control method (variable orifice, fixed orifice, other)	Variable orifice	
Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Intake manifold, at or below base of carburetor	
Air inlet (breather cap, carburetor air cleaner, other)	Tube from carburetor air cleaner intake horn to oil filler cap	
Flame arrester (screen, check valve, other)	Check valve	

- (a) Change filter every second oil change; replacement part number: 1851658 (Chicago Screw 1-72)
 (b) Recommended oil change interval: every three months or 4000 miles, whichever comes first.
 (c) Below +32F - SAE 10W-30; above +32F - SAE 20W-40, SAE 30, or SAE 40.
 (d) Chicago screw 2843258 or United Air Cleaner 2863189.
 (e) Chicago Screw 2843257 or United Air Cleaner 2843256.

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MAKE OF CAR PLYMOUTH BELVEDERE MODEL YEAR 1968 DATE ISSUED _____ REVISED (a) _____

All Models

MODEL _____

ENGINE - EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Not Applicable	
Air Injection Pump	Type	"	
	Displacement	"	
	Drive ratio	"	
	Drive type	"	
	Relief valve (type)	"	
	Filter (describe)	"	
Air Injection System	Air distribution (head, manifold, etc.)	"	
	Point of entry	"	
	Injection tube I.D.	"	
	Check valve type	"	
	Backfire protection (type)	"	
Carburetor	Make	See page 10	
	Model	"	
	Barrel size	"	
	Idle speed	Drive Neutral	" "
	Idle A/F mixture	"	
Distributor	Aux. Adv. Systems (type)	Manifold vacuum actuated control valve	
	Make	Chrysler	
	Model	See page 13a	
	Cent'fgal adv. in crank degrees@ eng. rpm	Start (rpm)	"
		Intermed. points deg.@ rpm	"
		Max. deg.@ rpm	"
	Vacuum adv. in crank degrees@ eng. rpm	Start (in Hg)	"
		Intermed. points deg.@ in. Hg	"
		Max. deg.@ in.	"
	Vacuum Source		(a)
Timing - Crank degrees @ rpm		See page 13	
Cooling System (describe changes)		None	
Exhaust System (describe changes)		None	

(a) From port in carburetor or direct from manifold as controlled by the auxiliary advance systems.

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PLYMOUTH
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 See Page 3 for Engine Usage

MODEL _____ 225 CID 273 CID 318 CID 383 CID 440 CID 426 CID HEMI

ENGINE - FUEL SYSTEM

(See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		Carburetor					
Fuel Tank	Refill capacity (U.S. gals.)	19					
	Filler location	Rear center (left rear fender for station wagons)					
Fuel Pump	Type (elec. or mech.)	Mechanical					
	Locations	R/Center	Right front				
	Pressure range	3.5 to 5	5 to 7	3.5 to 5	7 to 8.5		
Vacuum booster (std., optional, none)		None					
Fuel Filter	Type	Fuel line tank: plastic; fuel line: paper					
	Locations	One in fuel tank, one in supply line					
Carburetor	Choke type		Automatic, separate				
	Intake manifold heat control (exhaust or water)		Exhaust				
	Air cleaner type	Standard	Paper element				
		Optional					
	Idle speed (spec. neutral or drive)	Manual	650	700	650	750	
		Automatic	650		600	650	750
		Idle A/F mix.					

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
Std: RL, RH	225	Manual	Holley	R-3921-A	1, 1-bb1	1.69
		Automatic		R-3922-A		
Std: RL, RH, RP	273	Manual	Ball and Ball	BBD-4416S	42-bb1	1.44
		Automatic		BBD-4417S		
	318	Manual		BBD-4420S		
		Automatic		BBD-4421S		
		Manual		BBD-4422S		
Opt: RL, RH, RP	383	Automatic		BBD-4423S		1.56
Std: RM		Manual	Carter	AVS-4426S	1, 4-bb1	P: 1.44
Opt: RL, RH, RP		Automatic		AVS-4426S		S: 1.69
Std: GTX	440	Manual		AVS-4428S		P: 1.69
		Automatic		AVS-4429S		S: 1.69
				F AFB-4430S		
				R AFB-4431S	2, 4-bb1	P: 1.44
				F AFB-4430S		S: 1.69
				R AFB-4432S		

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PLYMOUTH
 MAKE OF CAR BELVEDERE MODEL YEAR 1968 DATE ISSUED _____ REVISED (•) _____
 MODEL _____
 See Page 3 For Engine Usage
 225 CID 273 CID 318 CID 383 CID 440 CID 426 CID
 2-bbl 4-bbl HI-1475 175MI

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)	Pressure-Vent						
Radiator cap relief valve pressure	16						
Circulation thermostat	Type (choke, bypass)	Choke, pellet					
	Starts to open at (°F)	177 - 184					
	Type (centrifugal, other)	Centrifugal					
Water pump	GPM @ 1000 pump rpm	NA					
	Number of pumps	One					
	Drive (V-belt, other)	V-belt					
	Bearing type	Ball, integral shaft, permanently sealed					
By-pass recirculation type (inter., ext.)	External		Internal				
Radiator core type (cellular, tube and fin, other)	Tube and spacer						
Cooling system capacity	With heater (qt.)	13	19	18	17	17(a)	18
	Without heater (qt.)	Heater is std					
	Opt. equipment-specify (qt.)	Add 1-qt with air conditioner					None
Water jackets full length of cyl. (yes, no)	HO	Yes	No				
Water all around cylinder (yes, no)	Yes						
Radiator hose	Lower	Number and type (molded, straight)	One, molded				
		Inside diameter	1.50		1.75		
	Upper	Number and type (molded, straight)	One, molded				
		Inside diameter	1.50				
	By-pass	Number and type (molded, straight)	One, straight	One, molded	None		
		Inside diameter	0.68	0.80	--		
Fan	Number of blades & spacing	See Page 11 A					
	Diameter	"					
	Ratio-fan to crankshaft rev.	"					
	Fan cutout type	"					
	Bearing type	See water pump above					
* Drive belts (indicate belt used by letter)	Fan	See Page 11 A					
	Generator or alternator	"					
	Water Pump	"					
	Power Steering	"					
	Air Conditioning	"					

(a) 18-qt when equipped with 4-speed manual transmission.

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V°											
Nominal length (SAE)											
Width											

White Out

AMA Specifications—Passenger Car

MAKE OF CAR PLYMOUTH BELVEDERE MODEL YEAR 1968 DATE ISSUED _____ REVISED (a) _____

AVAILABILITY

See Page 3 For Engine Usage					
225 CID	273 CID	318 CID	383 CID	440 CID Hi-Port	426 CID MEMI
STD AC	STD AC	STD AC	STD AC	STD AC	STD

FAN

Number Blades & Spacing	4 (a)	7 (b)	4 (a)	7 (b)
Diameter	17	18	18.5	18
Ratio - Fan to Crankshaft	1.07:1	.95:1	1.3:1	.95:1
Fan Cut-out, Type	NONE	(c)	NONE (c)	(c)
(a) 76°-104°	(b) 60°-45°-59°-47°-54°-50°-45°	(c) VISCIOUS	(d) VISCIOUS WITH MAN. TRANSMISSION.	

DRIVE BELTS

Fan	A	E	G	H	B	H	B	L
Alternator	A	E	G	H	J(L)	H	K(L)	L
Water Pump	A	E	G	H	B	H	B	L
Power Steering	B	C	F		I			M
Air Conditioner	--	D	--	D	--	J(L)	--	K(L)

DRIVE BELT DIMENSIONS

Angle of "V", Deg	A	B	C	D	E	F	G	H	I	J	K	L	M
Nominal Length, SAE	36°	36°	36°	36°	36°	36°	36°	36°	36°	36°	36°	36°	36°
WIDTH	57.00	36.50	38.38	53.00	46.50	38.75	48.00	46.00	41.00	64.50	65.00	45.00	39.50

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BELVEDERE MODEL YEAR 1968 DATE ISSUED _____ REVISED (a) _____

See Page 3 For Engine Usage

MODEL 225 CID 225 318-CID 383 CID 440 CID 426 CID
W/O AC W/AC W/O AC W/AC W/O AC W/AC HEMI

ELECTRICAL — SUPPLY SYSTEM

Battery	Make and Model	<u>Mopar</u>	<u>24-MB-4B</u>	<u>24-MB-59</u>	<u>27-MB-70R</u>	<u>12-MB-70</u>
	Voltage Rtg. & Total Plates		<u>12, 54</u>	<u>12, 66</u>	<u>12, 78</u>	
	SAE Designation & Amp. Hr. Rtg.		<u>9HC3, 4B</u>	<u>9HC3-A, 59</u>	<u>9HC5, 70</u>	
	Location		<u>Left front fender shield</u>			
Generator or Alternator	Terminal grounded		<u>Negative</u>			
	Make		<u>Chrysler</u>			
	Model		<u>2642537</u>	<u>2098850</u>	<u>2642537</u>	<u>2098850</u>
	Type and rating		<u>37</u>	<u>46</u>	<u>37</u>	<u>46</u>
Regulator	Output at engine idle (neutral)		<u>N/A</u>			
	Ratio—Gen. to Cr/s rev.		<u>2.70:1</u>	<u>2.40:1</u>	<u>2.55:1</u>	<u>2.40:1</u>
	Make		<u>Chrysler</u>			
	Model		<u>2098300</u>			
Regulator	Type		<u>Voltage control</u>			
	Cutout relay	Closing voltage generator rpm	<u>--</u>			
		Reverse current to open	<u>--</u>			
	Regulated	Voltage	<u>13.6 to 14.5 @ 70 F</u>			
		Current	<u>--</u>			
	Voltage test	Temperature	<u>75 F</u>			
		Load	<u>--</u>			
	Other conditions		<u>Run 15-min. @ 1250 engine rpm with 15-amp load</u>			

ELECTRICAL — STARTING SYSTEM

Starting Motor	Make		<u>Chrysler</u>			
	Model		<u>2095150</u>			
	Rotation (drive end view)		<u>clockwise</u>			
Motor control	Switch (solenoid, manual)		<u>Solenoid</u>			
	Starting procedure	<u>fully and release</u>	<u>With transmission in "Neutral" or "Park", depress accelerator pedal on, then turn ignition key beyond "Ignition On" position. When equipped with CAP, depress accelerator pedal fully and release before turning ignition key.</u>			
Motor Drive	Engagement type		<u>Solenoid</u>			
	Pinion meshes (front, rear)		<u>Front</u>			
	Number of teeth	Pinion	<u>10</u>			
		Flywheel	<u>130</u>			
	Flywheel tooth face width	Manual	<u>122</u>	<u>130</u>	<u>143</u>	<u>10(b)</u>
		Auto.	<u>122</u>	<u>130</u>	<u>143</u>	<u>172</u>
Motor Drive	Flywheel tooth face width	Manual	<u>.340</u>			
		Auto.	<u>.340</u>			

(a) 2642930 with manual transmission (b) 9 teeth with manual transmission.

AMA Specifications—Passenger Car

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MAKE OF CAR PLYMOUTH BELVEDERE MODEL YEAR _____ DATE ISSUED _____ REVISED (a) _____

See Page 3 For ENGINE USAGE

MODEL 225 CID 273 CID 318 CID 383 CID 440 CID 426 CID HEMI

ELECTRICAL — IGNITION SYSTEM

Type	Conventional — Std., Opt., N.A.	Std			
	Transistorized — Std., Opt., N.A.	NA			
	Other (specify)	None			
Coil	Make	Chrysler Prestolite or Chrysler Essex			
	Model	2444242 2444241			
	Amps	Engine stopped	3.0		
		Engine idling	1.9		
Distributor	Make	Chrysler Prestolite			
	Model	See Page 13 A			
	Centrifugal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)	"		
		Intermediate points deg. @ rpm	"		
		Max. deg. @ rpm	"		
	Vacuum adv. in c/shaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	"		
		Intermediate points, deg. @ in. Hg.	"		
		Max. deg. in. Hg.	"		
	Breaker gap (in.)	.017-.023	.014-.019		
	Cam angle (deg.)	40-45	28-33	(a)	(b)
Breaker arm tension (oz.)	17-20			17-20(c) 17-21.5	
Timing	Crankshaft deg. @ rpm	See Page 13 A			
	Mark location	"			
Spark Plug	Make	Mo Par	P-6-6P	P-3-6P	A-3-4P
	Model	Champion	N14Y	N9Y	J11Y
	Thread (mm)	14-mm			
	Tightening torque (lb. ft.)	30-33			
	Gap	.035			
Cable	Conductor type	Resistor			
	Insulation type	(d)	Synthetic rubber with Hypalon jacket		
	Spark plug protector	(e)	Silicone		

ELECTRICAL — SUPPRESSION

Locations & type _____ Resistance-type leads to coil and spark plugs

- (a) with automatic transmission 28-33; with manual transmission, dual points;
27-32 each, total 37-42.
- (b) Dual points; 27-32 each, total 37-42.
- (c) with dual points, 17-21.5.
- (d) Synthetic rubber with neoprene jacket
- (e) Hypalon

AMA Specifications—Passenger Car

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MAKE OF CAR PLYMOUTH BELVEDERE MODEL YEAR 1968 DATE ISSUED _____ REVISED (6) _____

AVAILABILITY
(See Page 1 for Engine Usage)

	225 CID	273 CID	318 CID	383 CID	440 CID	426 CID
				2-661	4-661	HEMI
Transmission	Manual	2875 364	2875 334	2875 342	2875 356	2875 140
	Automatic	2875 366	2875 334	2875 342	2875 358	2875 140
Timing	Manual	TDC @ 650	5ATC @ 700	5ATC @ 650	TDC @ 650	TDC @ 750
	Automatic	TDC @ 650	2.5ATC @ 650	2.5ATC @ 600	5ATC @ 650	TDC @ 750

SPECIFICATIONS

DISTRIBUTOR PART NUMBER	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Degrees at Inches of Mercury		
	Start	Intermediate	Maximum	Start	Intermediate	Maximum
2875 102	0-700-1000	0-14-4 @ 1000	20-6-24-6 @ 1400	0-8-9-8	8-14 @ 12.2	16.5-21.5 @ 15
2875 140	0-900-1200	0-14-6 @ 1200	19-6-23-6 @ 1600	0-6-7	9-15 @ 12	8.5-11 @ 15
2875 209	0-700-1000	0-11-6 @ 1000	15-6-19-6 @ 1400	0-8-9-8	8-14 @ 12.2	16.5-21.5 @ 15
2875 334	0-700-1000	0-14-6 @ 1000	22-5-26-5 @ 1400	0-5-8	10-16 @ 10	21-27 @ 13.5
2875 342	0-700-1000	0-10-9 @ 950	15-5-19-5 @ 1400	0-8-11-18	4-7 @ 12.2	16.5-21.5 @ 15
2875 352	0-750-1050	0-12-6 @ 1050	19-5-23-5 @ 1520	0-5-8	10-16 @ 10	21-27 @ 13.5
2875 354	0-750-1050	0-7-6 @ 950	14-18 @ 1500	0-5-8	10-16 @ 10	21-27 @ 13.5
2875 356	0-750-1050	0-12-6 @ 1050	22-2-24-2 @ 1600	0-5-7-6	12-18 @ 12.1	18-24 @ 14.75
2875 358	0-750-1050	0-13-6 @ 1050	20-2-24-2 @ 1520	0-5-7-6	12-18 @ 12.1	18-24 @ 14.75
2875 364	0-700-1000	0-7-4 @ 1000	18-4-22-4 @ 1740	0-6-2-9-7	4-10 @ 11.9	7-4-12-4 @ 13.8
2875 366	0-700-1000	0-7-4 @ 1000	18-4-22-4 @ 1740	0-5-7	5-11 @ 9	7-5-6-5 @ 13.7

AMA Specifications—Passenger Car

5-10-67

MAKE OF CAR PLYMOUTH BELVEDERE MODEL YEAR 1968 DATE ISSUED _____ REVISED (a) _____

MODEL _____

All Models

ELECTRICAL — INSTRUMENTS AND EQUIPMENT

Speedometer	Type	<i>In-line circle, pointer</i>
	Trip odometer (yes, no)	<i>No</i>
Charge indicator — type		<i>Ammeter</i>
Temperature indicator — type		<i>Electric, thermal</i>
Oil pressure indicator — type		<i>Light</i>
Fuel indicator — type		<i>Electric, thermal</i>
Other		<i>Brake system and parking brake warning light</i>
Windshield wiper	Type — Standard	<i>2-Speed</i>
	Type — Optional	<i>3-Speed</i>
Windshield washer	Type — Standard	<i>Electric pump</i>
	Type — Optional	<i>None</i>
Horn	Type	<i>4-inch speaker</i>
	Number used	<i>Std: 1, Opt: 2</i>
	Amp draw (each)	<i>Spartan Automotive 6-B amp, Pontiac 4-6 amp</i>

DRIVE UNITS — CLUTCH (Manual Transmission)

Make & type	<i>Auburn</i>	<i>Borg and Beck</i>
Type pressure plate springs		<i>Coil</i>
Total spring load (lb.)	<i>1330 min</i>	<i>1478 2141 1820 2345 2713</i>
No. of clutch driven discs		<i>One</i>
Clutch facing	Material	<i>Woven 3.125 to .5</i>
	Outside & inside dia.	<i>9.25 x 6.0 10.0 x 6.75 10.5 x 6.5 11.0 x 6.5 11.5 x 7.0</i>
	Total eff. area (sq. in.)	<i>77.5 85.5 106.8 123.6 113.1</i>
	Thickness	<i>.125 .125 .125 .135</i>
	Engagement cushioning method	<i>2-20° 25° CUSH. DISC For 2000 spec</i>
Release bearing	Type & method of lubrication	<i>Ball bearing, permanently lubricated</i>
Torsional damping	Methods: springs, friction material	<i>Coil spring and friction washers</i>

MODEL _____

225 CID

273 CID

318 CID

383 CID

426 CID

Optional 250 CID

275 CID, etc.

440 CID

AMA Specifications—Passenger Car

PLYMOUTH BELVEDERE	MODEL YEAR 1968	DATE ISSUED	REVISED (a)
See Page 4 for Engine Usage			
MAKE OF CAR	225 CID	273 CID	383 CID
MODEL	318 CID	200	400
		440 CID	426 CID Hemi

DRIVE UNITS—TRANSMISSIONS

Manual 3-speed (std. or opt.)	Std	NA
Manual 4-speed (std. or opt.)	Std	Opt Std
Manual with overdrive (std. or opt.)	NA	
Automatic (std. or opt.)	Opt	Std Opt

DRIVE UNITS — MANUAL TRANSMISSION

Number of forward speeds	3	4
Transmission ratios	In first	2.95 3.02 2.66 2.65
	In second	1.83 1.76 1.91 1.93
	In third	1.00 1.00 1.39 1.39
	In fourth	-- -- 1.00 1.00
	In reverse	3.80 3.95 2.58 2.57
Synchronous meshing, specify gears	2nd and 3rd	All forward speeds
Shift lever location	Steering column	Floor or console
Lubricant	Capacity (pt.)	6.5 6.0 9.0
	Type recommended	(a)
	SAE viscosity number	(a)
	Summer	(a)
	Winter	(a)
	Extreme cold	(a)

DRIVE UNITS— MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Type (planetary or other)	
Manual lockout (yes, no)	
Downshift accelerator control (yes, no)	
Minimum cut-in speed	
Gear ratio	
Lubricant	Capacity (pt.) (Overdrive only)
	Separate filler (yes, no)
	Type recommended
	SAE viscosity number
	Summer
	Winter
	Extreme cold

- (a) 3-speed: Automatic Transmission Fluid, Type AQ-ATF, Suffix "A" for all temperature ranges; Multipurpose Gear Lubricant, SAE 90, may be used in warm climates.

4-speed: When necessary, add Multipurpose Gear Lubricant, SAE 140. During extremely cold weather, refill the transmission with Multipurpose Gear Lubricant, SAE 80 or 90, or with Automatic Transmission Fluid, Type AQ-ATF, Suffix "A".

RECOMMENDED CHANGE INTERVAL: no oil change required except in severe service such as taxi or police operation, trailer towing, or continuous operation at higher-than-normal loading. Under these condition, change oil at 36,000 miles or 3 years, and every 12,000 miles or each year thereafter.

AMA Specifications—Passenger Car

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MAKE OF CAR PLYMOUTH BELVEDERE MODEL YEAR 1969 DATE ISSUED _____ REVISED (•) _____

See Page A² for Engine Usage

MODEL 225 CID 273 CID 318 CID 383 CID 440 CID 426 CID
MAN AUTO MAN AUTO MAN AUTO MAN AUTO MAN AUTO MAN AUTO
2-BBL 4-BBL 4-BBL 4-BBL 4-BBL 4-BBL 4-BBL 4-BBL 4-BBL 4-BBL 4-BBL 4-BBL

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	TorqueFlite												
Type describe	Torque converter with automatically operated planetary gear transmission												
Selector location	Lever: steering or console-mounted												
List gear ratios Selector Pattern and indicate which are used in each selector position	R: 2.20 D: 2.45 - 1.45 - 1.00 2: 2.45 - 1.45 1: 2.45												
Max. upshift speed—drive range	45	71	71	78	83	73	85	73		77		92	
Max. kickdown speed—drive range	52	64	63	69	74	65	76	65		69		84	
Torque converter	Number of elements	Three											
	Max. ratio at stall	2.1				2.0		2.1		2.0		2.1	
	Type of cooling (air, liquid)	Water											
	Nominal diameter												
Lubricant (a)	Capacity—refill (pt.)	16					18.5		17.5		18.5		17.5
	Type recommended	Automatic transmission Fluid Type AC-ATF, Suffix "A"											
Special transmission features	None												

DRIVE UNITS—PROPELLER SHAFT

Number used	0.2										
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Straight tube										
Outer diam. x length ^a x wall thickness	Manual 3-speed trans.	0.12.75 x 57.61 x .065	3.00 (b) x 57.44 x .065	3.00 (b) x 57.44 x .065							
	Manual 4-speed trans.				2.75 (a) x 57.61 x .065	3.00 (a) x 57.61 x .065	3.00 (a) x 57.61 x .065	3.00 (a) x 57.61 x .065	3.00 (a) x 57.61 x .065	3.00 (a) x 57.61 x .065	3.00 (a) x 57.61 x .065
	Overdrive transmission										
	Automatic transmission	0.12.75 x 57.61 x .065	3.00 (b) x 57.44 x .065	3.00 (b) x 57.44 x .065	2.75 (a) x 57.61 x .065	3.00 (a) x 57.61 x .065	3.00 (a) x 57.61 x .065	3.00 (a) x 57.61 x .065	3.00 (a) x 57.61 x .065	3.00 (a) x 57.61 x .065	3.00 (a) x 57.61 x .065

^a Center to center of universal joints, or to centerline of rear attachment.

(Continued)

- (a) Recommended change interval: no oil change required except in severe service such as taxi or police operation, trailer towing, or continuous operation at higher-than-normal loading. Under these conditions, change oil at 36,000 miles or 3 years, and every 12,000 miles or each year thereafter.

(b) For 1969-1970 Dodge 3.00 x 57.44 x .065.
 (c) For 1969-1970 Dodge 3.00 x 57.44 x .065.
 (d) For 1969-1970 Dodge 3.00 x 57.44 x .065.

(e) For 1969-1970 Dodge 2.75 x 57.61 x .065.
 (f) For 1969-1970 Dodge 3.00 x 57.61 x .065.

AMA Specifications—Passenger Car

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Page 17

MAKE OF CAR	PLYMOUTH BELVEDERE	MODEL YEAR	1968	DATE ISSUED	REVISED (a)
		See Page 3 For ENGINE USAGE			
MODEL	225 CID except Station Wagon	275 CID w/45, 46; 318-B 383 CID; 426- & 440 w/Auto	426- & 440 CID w/Manual		

DRIVE UNITS — PROPELLER SHAFT (cont.)

Inter- mediate bearing	Type (plain, anti-friction)	Anti-friction	
	Lubrication (fitting, prepack)	Prepack	
Slip Yoke	Type	Slip spline	
	Number of teeth	29	
	Spline O.D.	1.0235"	
Universal joints	Make and Mfg. No.	7260	7290
	Number used	Two	
	Type (ball and trunnion, cross)	Cross	
	Rear attach. (u-bolt, clamp, etc.)	C-Clamp	
	Bearing	Type (plain, anti-friction)	Anti-friction
Lubric. (fitting, prepack)		Prepack	
Drive taken through (torque tube or arms, springs)		From Springs	
Torque taken through (torque tube or arms, springs)		From Springs	

DRIVE UNITS — AXLE

Type (front, rear)	Std 1-piece case; Opti Pinion Gear 1-piece case		
Description	Semi Floating		
Limited Slip differential, type	Torque bias		
Drive Pinion Offset	1.625	1.50	1.125
No. of differential pinions	Std: 2, Opt: 3		
Pinion adjustment (shim, other)	Solid Shim (washer)		
Pinion bearing adj. (shim, other)	Solid shim (washer)	Shim pack	
Wheel bearing type	Ball bearing	Tapered roller bearing	
Lubricant	Capacity (pt.)	2.0	4.0
	Type recommended	Multipurpose Gear Lubricant	
	SAE viscosity number	Above -10°F SAE 90	
	SAE viscosity number	Between -10°F and -30°F SAE 80	
SAE viscosity number	Below -30°F SAE 75		

AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio	2.76	2.93	3.08	3.23	3.38	3.55
No. of teeth						
Pinion	13	14	16	13	13	11
Ring gear	47	41	47	42	46	39
Ring Gear O.D.	2.75	7.25	3.75	4.25	4.75	5.75

(a) When equipped with Semi-Slip Differential, use Chrysler Semi-Slip Differential Lubricant as defined by MIL-L-2105-D (part number 6885313).

AMA Specifications—Passenger Car

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MAKE OF CAR <u>PLYMOUTH BELVEDERE</u>	MODEL YEAR <u>1968</u>	DATE ISSUED _____	REVISED (•) _____
MODEL _____	RL, RH 6-cyl	RL, RH, RP	RM RS All 5-10-67 10/10/68

DRIVE UNITS – WHEELS

Type & material	Disc, steel		
Rim (size & flange type)	Std.	5.0 J	5.5 JK
	Opt.	5.5 JK 6.0 JK	6.0 JK
Attachment	Type (bolt or stud)	Stud	
	Circle diameter	4.5	
	Number and size	Five, 1/2-20 NF	

MODEL _____

DRIVE UNITS – TIRES

Standard	Size, ply rating, & ply	7.35-14, 4-2	F70-14, 4-2	8.25-14, 4-2
	Type (bias, radial, etc.)	Bias		
	Full rated Inflation Press.	Front	Rear	
	Rev./Mile at 50 MPH			
Optional	Size, ply rating, & ply	7.35-14, 4-4	7.75-14, 4-2 (a)	8.25-14, 4-4
		7.75-14, 4-2	8.25-14, 4-2 (b)	8.55-14, 4-2
		7.75-14, 4-4	F70-15, 4-2 (b)	8.55-15, 4-4
		--	8.25-14, 4-2 8.25-14, 4-4 8.15-15, 4-4 F70-14, 4-2	

BRAKES – PARKING

Type of control	Foot-operated parking, 2.75" x 1.5" x 1.5"		
Location of control	Under left seat 3" x 10" x 1.5" x 1.5"		
Operates on	PROP. WHEELS		
If separate from service brakes	Type (internal or external)	--	
	Drum diameter	--	
	Lining size (length x width x thickness)	--	

(a) For RM only.

(b) For RS only.

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BELVEDERE MODEL YEAR 1968 DATE ISSUED _____ REVISED (*) _____

SIX		DRUM BRAKES		DISC BRAKES
EXC 45, 46	EXC RS #	STD RS	OPT 440 d 426	All -
		STD 45, 46		

BRAKES—SERVICE

Type (drum or disc)		Drum		Disc	
Self adjusting (std., opt., N.A.)		std			
Power brake make & type (remote, int., etc.)	Std.	--		Tandem	
	Opt.	Integral		--	
Effective area (sq. in.)*		165.9	195.2	234.1	
Gross lining area (sq. in.)**		165.9	195.2	234.1	
Swept area (sq. in.)***		267.0	314.2	380.1	
Percent brake effectiveness—front		60			
Drum or Disc	Diameter (nominal)	Front	10	11	
		Rear	10	11	
	Type and material	centrifuse or cast composite		cast iron	
	Disc (vented or solid)	--		vented	
Wheel cylinder bore	No. pistons per caliper	--		four	
	Front	1.125		2.0	
Master Cylinder	Rear	0.9375			
	Bore	1.00		1.125	
Disc Brk. Valve	displacement distribution	Front	%		
		Rear	%		
Type (proportion, delay, metering, other)					
Pedal arc ratio					
Line pressure at 100 lb. pedal load		800		1100	
Shoe clearance adjustment		No major adjustment			
Brake lining	Drum or Disc		Drum		
	Bonded or riveted		Bonded		
	Front Wheel	Material	Molded asbestos		
		Size (length x width x thickness)	Prim. or out-board	8.46 x 2.5 x .19	8.46 x 2.5 x .19
			Second. or in-board	9.31 x 3.00 x .19	--
				11.06 x 2.5 x .24	11.06 x 2.5 x .24
	Rear Wheel	Segments per shoe	one		
		Material	Molded asbestos		
		Size (length x width x thickness)	Prim. or out-board	8.46 x 1.75 x .19	8.46 x 2.5 x .19
			Second. or in-board	9.31 x 2.5 x .19	8.47 x 2.5 x .19
		11.06 x 1.75 x .24	11.06 x 2.5 x .24		
	Segments per shoe	one			

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

AMA Specifications—Passenger Car

MAKE OF CAR Plymouth Belvedere MODEL YEAR 1968 DATE ISSUED 6-5-67 REVISED (*)

All

MODEL

STEERING

Manual (std., opt., NA)			Std		
Power (std., opt., NA)			Opt		
Adjustable steering wheel (tilt, swing, other)		Type and description	NA		
		(std., opt., NA)	--		
Wheel diameter		Manual	16.0		
		Power	16.0		
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	43.7; station wagon: 44.0		
		Curb to curb (l. & r.)	40.6; station wagon: 40.9		
	Inside rear	Wall to wall (l. & r.)	23.9; station wagon: 24.1		
		Curb to curb (l. & r.)	24.6; station wagon: 24.8		
Outside whl. angle with inside whl. at 20°			18.1		
Manual (a)	Gear	Type	Recirculating ball		
		Make	Chrysler		
		Ratios	Gear	24.0 to 1	
		Overall	m 28.8 to 1		
No. wheel turns			5.3		
Power	Type (coaxial, linkage, etc.)		Integral		
	Make		Chrysler		
	Gear	Type	Recirculating ball		
		Ratios	Gear	15.7 to 1	
		Overall	18.5 to 1		
	Pump driven by		Belt from crankshaft pulley		
	Number wheel turns		5.5		
Linkage	Type		Parallelogram, trailing, equal length tie rods		
	Location (front or rear of wheels, other)		Rear		
	Drag link (trans. or longit.)		Transverse center link		
	Tie rods (one or two)		Two		
Steering Axis	Inclination at camber (deg.)		7.5 @ 0		
	Bearings (type)	Upper	Ball joint		
		Lower	Ball joint		
		Thrust	Oil-impregnated metal		
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)		(6)		
	Camber (deg.)		(6)		
	Toe-in (outside track inches)		3/32 to 5/32, 1/8 preferred		
Steering spindle & joint type			Ball joint		
Wheel Spindle	Diameter	Inner bearing	1.2494		
		Outer bearing	0.7494		
	Thread size		3/4-16 UNF-3A		
	Bearing type		Roller		

(a)

(b)

(c)

(a) (b) (c) (all notes from Dodge Reference)

Wheel notes added 6/17/67

AMA Specifications—Passenger Car

MAKE OF CAR Plymouth Belvedere MODEL YEAR 1968 DATE ISSUED 6-6-67 REVISED (•)

MODEL 21, 23, 27, 41 | 45, 46
SIX | V8

SUSPENSION – GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling		Manual adjustment at torsion bar anchor bolt by inclined upper control arms & asymmetrical springs Asymmetrical rear springs
Provision for brake dip control		
Provision for acc. squat control		
Special provisions for car jacking		None
Shock absorber front & rear	Type	Direct
	Make	Crown
	Piston dia.	1"
Other special features		

SUSPENSION – FRONT

Type and description	<i>Independent, lateral, nonparallel control arms with torsion bars</i>		
Spring	Type	<i>Torsion bar</i>	
	Material	<i>Chromium alloy steel</i>	
	Size (coil design height & I.D. bar length x dia.)	<i>41" x 0.86"</i>	<i>41" x 0.88"</i>
	Spring rate (lb. per in.)	<i>NA</i>	
	Rate at wheel (lb. per in.)		
Stabilizer	Type (link, linkless, frameless)	<i>Link; used with 426, 440 CTD engine, Tracker towing, 1117 Sump.</i>	
	Material & bar diameter	<i>C. 94"</i>	

SUSPENSION – REAR

Type and description	<i>Parallel, longitudinal leaf</i>		
Drive and torque taken through	<i>Rear Springs</i>		
Spring	Type	<i>Semielliptic, asymmetrical</i>	
	Material	<i>Chromium alloy steel</i>	
	Size (length x width, coil design height & I.D.; bar length & dia.)	<i>53" x 2 1/2"</i>	
	Spring rate (lb. per in.)	<i>96</i>	<i>113</i>
	Rate at wheel (lb. per in.)	<i>110</i>	<i>140</i>
	Mounting insulation type	<i>Rubber</i>	
	If leaf	<i>4 1/2</i>	<i>5 1/2</i>
Stabilizer	No. of leaves	<i>Compression</i>	
	Shackle (comp. or tens.)	<i>Link</i>	
Track bar type	Type (link, linkless, frameless)		
	Material		

(w) with 426 or 440 CTD engine

AMA Specifications—Passenger Car

MAKE OF CAR Plymouth Valiant MODEL YEAR 1968 DATE ISSUED 6-4-67 REVISED (•)

MODEL

41, 42, 43, 44, 45, 46 | 2, 3, 27

FRAME

Type and description (Separate frame, unitized frame, partially - unitized frame)

unitized

BODY - MISCELLANEOUS INFORMATION

Dr. hinged (front, rr.)	Front doors	<u>Front</u>
	Rear doors	<u>Front</u>
Type of finish (lacquer, enamel, other)		<u>Buffable acrylic enamel</u>
Hood counterbalanced (yes, no)		<u>Yes</u>
Hood release control (internal, external)		<u>External</u>
Vehicle Ident. No. location		
Engine No. location		
Theft protection - type		<u>Pin tumbler key locks on ignition switch, doors, luggage compartment</u>
Vent window control method (crank, friction pivot)	Front	<u>Friction pivot</u>
	Rear	<u>Spring control (crank, nonball other)</u>
Seat cushion type	Front	<u>41, 42, 43, 44, 45, 46 - 12 x 3, 27 - 12 x 24</u>
	Rear	<u>12 x 3, 27 - 12 x 24</u>
	3rd seat	<u>12 x 3, 27 - 12 x 24</u>
Seat back type	Front	<u>41, 45, 46 - 12 x 3, 27 - 12 x 24</u>
	Rear	<u>41, 42, 43, 44 - 12 x 3, 27 - 12 x 24</u>
	3rd seat	<u>41, 42, 43, 44 - 12 x 3, 27 - 12 x 24</u>
Windshield glass type (i.e., single curved - laminated plate)		<u>Single curved laminated plate</u>
Side glass type (i.e., curved - tempered plate)		<u>Curved heat treated safety sheet</u>
Backlight glass type (i.e., compound curved - tempered plate, three piece)		<u>curved heat treated safety sheet</u>
Windshield glass exposed surface area		
Side glass exposed surface area		
Backlight glass exposed surface area		
Total glass exposed surface area		

5-22-67

MODEL YEAR 1968

DATE ISSUED

REVISÉ ()

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(ESTIMATED)

AMA Specifications—Passenger Car

MAKE OF CAR Plymouth Belvedere MODEL YEAR 1968 DATE ISSUED _____ REVISED 10

WEIGHTS

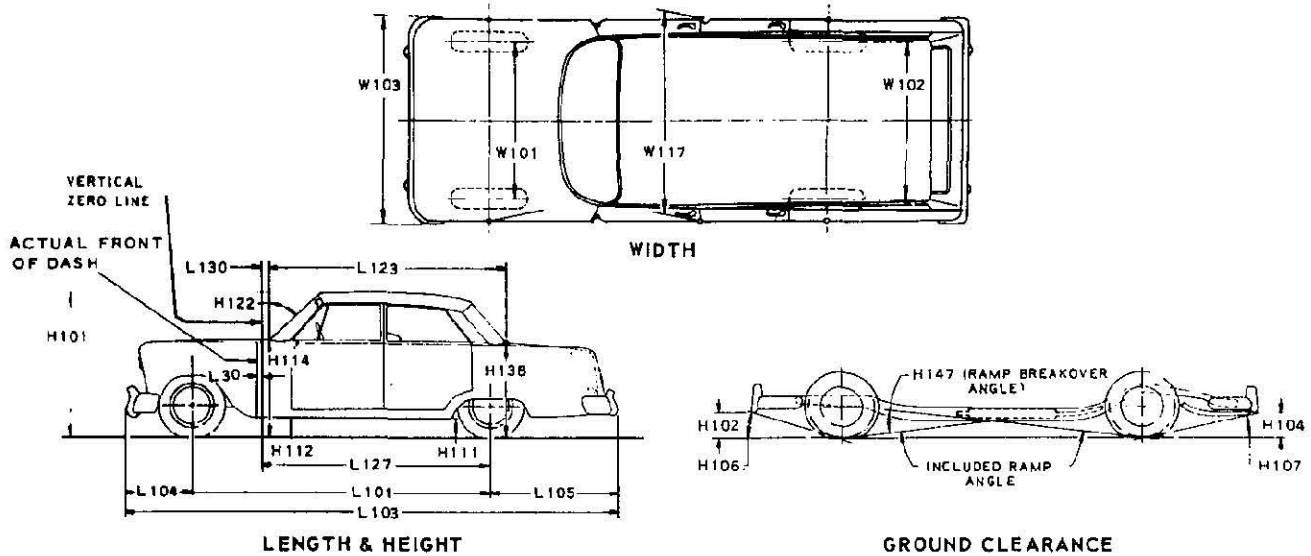
V-8 MODELS	CURB WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING WEIGHT
	Front	Rear	Total	Pass. In Front		Pass. In Rear		
				Front	Rear	Front	Rear	
Model <u>Belvedere</u>								
2 Door Sedan	1770	1550	3320	49.1	50.9	21.8	78.2	3160
4 Door Sedan	1785	1570	3350	49.1	50.9	19.7	80.3	3190
Station Wagon 2 Seat	1685	2060	3745	49.4	50.6	20.2	79.8	3585
Model <u>Fast-Lite</u>								
2 Door Hardtop	1770	1570	3340	49.1	50.9	21.8	78.2	3180
Convertible Coupe	1790	1630	3420	49.1	50.9	21.4	78.6	3260
4 Door Sedan	1780	1575	3355	49.1	50.9	19.7	80.3	3195
Station Wagon 2 Seat	1675	2065	3740	49.4	50.6	20.2	79.8	3580
Station Wagon 3 Seat	1670	2150	3820	49.4	50.6	20.2	79.8	3660
Model <u>Road Runner</u>								
2 Door Coupe	1960	1605	3565	49.1	50.9	21.8	78.2	3405
Model <u>Sport Satellite</u>								
2 Door Hardtop	1785	1600	3385	49.4	50.6	21.8	78.2	3225
Convertible Coupe	1795	1655	3450	49.4	50.6	21.4	78.6	3290
Station Wagon 2 Seat	1675	2065	3740	49.4	50.6	20.2	79.8	3580
Station Wagon 3 Seat	1670	2150	3820	49.4	50.6	20.2	79.8	3660
Model <u>GTX</u>								
2 Door Hardtop	1985	1695	3680	49.4	50.6	21.8	78.2	3520
Convertible Coupe	2035	1745	3780	49.4	50.6	21.4	78.6	3620
Accessories & Equipment Differential Weights				Remarks				
Air Conditioner	+123	-1	+122					
318 Cu. In. Engine	-24	-10	-34	With Automatic Transmission				
383 2-bbl. CID Engine	+118	-12	+106	With Automatic Transmission				
383 4-bbl. CID Engine	+137	+8	+145	With Auto. Trans.-Std. Road Runner				
426 2-4 bbl. CID Engine	+349	+120	+469	With Auto. Trans.-All Except GTX & Road Runner				
426 2-4 bbl. CID Engine	+117	+42	+159	With Automatic Transmission -GTX Only				
426 2-4 bbl. CID Engine	+183	+61	+244	With Automatic Trans. - Road Runner Only				
Automatic Transmission	-24	-52	-76	273 CID Engine				
4-Speed Manual Trans.	+39	+8	+47	383 CID Engine				
4-Speed Manual Trans.	+41	+43	+84	426 CID Engine with Power Disc Brakes				
4-Speed Manual Trans.	+49	+64	+113	440 CID Engine				
Power Steering	+40	-1	+39					
Power Brakes	+7	+1	+8					
Power Windows	+8	+8	+16					
Power Locks		+2	+2					
Power Door Lock		+2	+2	Station Wagon Only				
Power Windows		+2	+2					
Power Windows, Full		+25	+50	All Except Station Wagon				
Power Windows, Full	+33		+35	Station Wagon				

AMA Specifications—Passenger Car

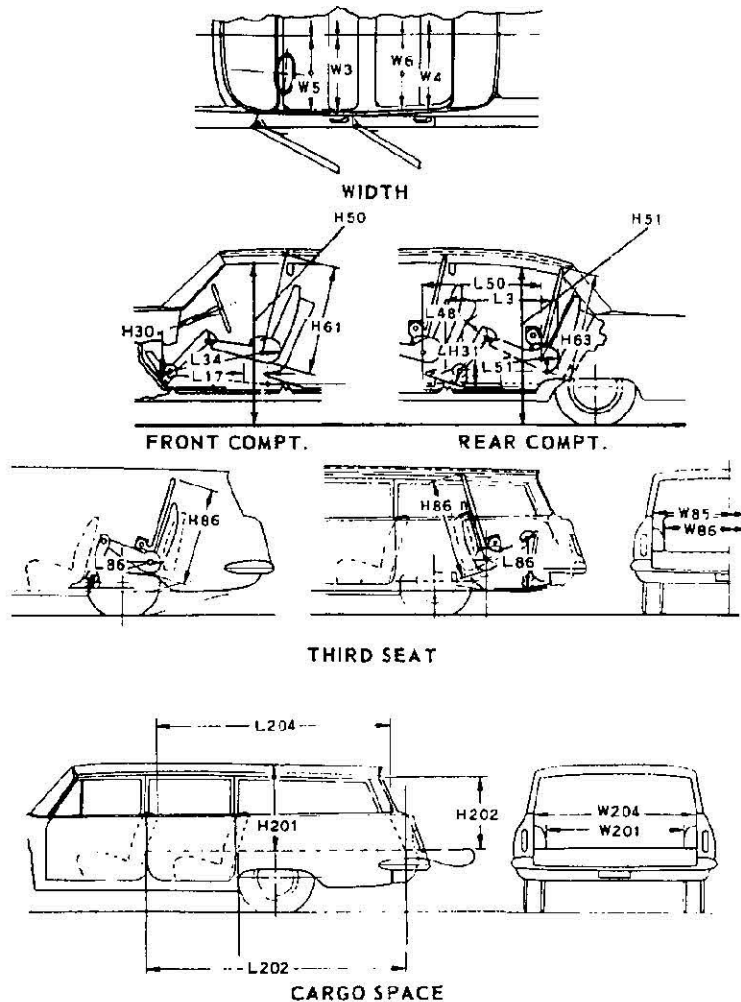
CAR AND BODY DIMENSIONS

KEY SHEET

EXTERIOR CAR AND BODY DIMENSIONS



INTERIOR CAR AND BODY DIMENSIONS



AMA Specifications—Passenger Car

CAR AND BODY DIMENSIONS

KEY SHEET

DIMENSION DEFINITIONS

EXTERIOR WIDTH DIMENSIONS

- W101 WHEEL TREAD - FRONT. Measured at centerline of tires, with nominal camber, at ground.
- W102 WHEEL TREAD - REAR. Measured at centerline of tires at ground.
- W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.
- W117 MAXIMUM BODY WIDTH AT #2 PILLAR. Measured across body at #2 pillar, excluding hardware and applied moldings.

EXTERIOR LENGTH DIMENSIONS

- L 30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (-) sign.
- L101 WHEELBASE.
- L103 OVERALL LENGTH. Include bumper guards if standard equipment.
- L104 OVERHANG - FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.
- L105 OVERHANG - REAR. Measured from C. L. of rear wheels to rear of car, including bumper guards if standard equipment.
- L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.
- L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
- L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

EXTERIOR HEIGHT DIMENSIONS

- H101 OVERALL HEIGHT - DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.
- H114 COWL POINT TO GROUND. Measured at vehicle centerline.
- H138 DECK POINT TO GROUND. Measured at vehicle centerline.
- H112 ROCKER PANEL TO GROUND - FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.
- H111 ROCKER PANEL TO GROUND - REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.
- H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.

GROUND CLEARANCE DIMENSIONS

- H102 BUMPER TO GROUND - FRONT. Minimum dimension, includes bumper guards.
- H104 BUMPER TO GROUND - REAR. Minimum dimension, includes bumper guards.
- H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle. This dimension may be determined by calculation (see Design Standard DD 0.00 - 108) or graphically for reporting purposes.
- H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

FRONT COMPARTMENT DIMENSIONS

- H 61 EFFECTIVE HEAD ROOM - FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L 34 MAXIMUM EFFECTIVE LEG ROOM - ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.
- H 30 H POINT TO HEEL POINT - FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L 17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.

FRONT COMPARTMENT DIMENSIONS (Cont.)

- W 3 SHOULDER ROOM - FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.
- W 5 HIP ROOM - FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.
- H 50 UPPER BODY OPENING TO GROUND - FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.

REAR COMPARTMENT DIMENSIONS

- L 50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
- H 63 EFFECTIVE HEAD ROOM - REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L 51 MINIMUM EFFECTIVE LEG ROOM - REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.
- H 31 H POINT TO HEEL POINT - REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
- L 48 MINIMUM KNEE ROOM - REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
- L 3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
- W 4 SHOULDER ROOM - REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.
- W 6 HIP ROOM - REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.
- H 51 UPPER BODY OPENING TO GROUND - REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

LUGGAGE COMPARTMENT DIMENSIONS

- V 1 LUGGAGE CAPACITY - USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place, determined in accordance with the Passenger Car Luggage Space Standard, DD 0.00 - 105.
- H195 LIFT-OVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

STATION WAGON - THIRD SEAT DIMENSIONS

- W 85 SHOULDER ROOM - THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W 86 HIP ROOM - THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.
- L 86 EFFECTIVE LEG ROOM - THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- H 86 EFFECTIVE HEAD ROOM - THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.

STATION WAGON - CARGO SPACE DIMENSIONS

- L202 CARGO LENGTH AT FLOOR - FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.
- L204 CARGO LENGTH AT BELT - FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.
- W201 CARGO WIDTH - WHEELHOUSE. The minimum horizontal dimension, measured between wheelhouses at floor level.
- W204 OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.
- H201 MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.
- H202 REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail-and lift-gates fully open.
- V 2 CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

W4xL204xH201

1728

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