

AMA Specifications—Passenger Car

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MANUFACTURER	CHRYSLER-PLYMOUTH DIVISION CHRYSLER CORPORATION	CAR NAME	PLYMOUTH BELVEDERE AND SATELLITE
MAILING ADDRESS	DETROIT, MICHIGAN 48231	MODEL YEAR	1966
		ISSUED:	7-23-65
		REVISED (•)	1-26-66

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 Sedan	2-Door Hardtop	Convertible Coupe	4-Door Sedan	2-Seat Station Wagon	3-Seat Station Wagon
<u>SIX-CYLINDER MODELS</u>						
Belvedere I	BR1-L-21			BR1-L-41	BR1-L-45	
Belvedere II		BR1-H-23	BR1-H-27	BR1-H-41	BR1-H-45	BR1-H-46
<u>V-8 MODELS</u>						
Belvedere I	BR2-L-21			BR2-L-41	BR2-L-45	
Belvedere II		BR2-H-23	BR2-H-27	BR2-H-41	BR2-H-45	BR2-H-46
Satellite		BR2-P-23	BR2-P-27			

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PLYMOUTH BELVEDERE
MAKE OF CAR AND SATELLITE **MODEL YEAR** 1966 **DATE ISSUED** 7-23-65 **REVISED** (a)

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL		Additional Information Page No.:	BR1					BR2				
			21, 41	23	27	45	46	21, 41	23	27	45	46
Wheelbase (L101)			116.0			117.0		116.0			117.0	
Track	Front (W101)		59.5									
	Rear (W102)		58.5									
Maximum Overall Dimensions	Length (L103)		200.5		207.1	208.1	200.5		207.1	208.1		
	Width (W103)		75.5									
	Height (H101)		53.7	52.8	53.2	55.4	55.3	54.0	53.2	55.0	55.2	
Transmission (Specify trade name - opt., not available)	Manual - 3 speed	15	Std									
	Manual - 4 speed	15	NA				Opt (a)					
	Overdrive	15	NA									
	Automatic	16	TorqueFlite, Opt									
Axle ratio	Manual - 3 speed	17	3.23									
	Manual - 4 speed	17	NA				3.23 (a)					
	Overdrive	17	--									
	Automatic	17	2.93			2.94						
Tire size		18	6.95 x 14		7.35 x 14	7.75 x 14	8.25 x 14	7.35 x 14		7.75 x 14	8.25 x 14	
Engine	Type, no. cyl., valve arr.	3	Six, in-line, OHV					90° V-8				
	Fuel system (Carb., other)	10	1, 1-bbl Carb.					1, 2-bbl Carb.				
	Bore and stroke	3	3.4 x 4.125					3.63 x 3.31				
	Piston displ., cu. in.	3	225					273				
	Std. compression ratio	3	8.4					8.8				
	Max. bhp at engine rpm	3	145 @ 4000					180 @ 4200				
	Max. torque at rpm	3	215 @ 2400					260 @ 1600				

(a) With optional 361-, 383-, and 426-cubic inch engines only

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GENERAL SPECIFICATIONS—DIMENSIONS

(All dimensions in inches unless otherwise indicated)
 (Supplemental data available on request)

MODEL	SAE Ref. No.	BR1-L, H				BR2-L, H				BR2-P	
		21, 41	23	27	45, 46	21, 41	23	27	45, 46	23	27

FRONT COMPARTMENT

Shoulder room	W3	58.0									
Hip room	W5	60.4									
Max. eff. leg room - accelerator	L34	42.0								41.6	
Effective head room	H61	38.8	37.8	38.7	39.4	38.8	37.8	38.7	39.4	37.8	38.7
H Point to Heel point	H30	8.6									

REAR COMPARTMENT

Shoulder room	W4	58.0									
Hip room	W6	60.4	60.6		60.4	60.4	60.6		60.4	60.6	
Minimum effective leg room	L51	36.5	34.2		36.5	34.2		36.5	34.3		
Effective head room	H63	37.8	37.1	37.2	39.3	37.8	37.1	37.2	39.3	37.1	37.2

LUGGAGE COMPARTMENT

Usable luggage capacity	V1	17.3				17.3			
Liftover height	H195	17.2	17.6	22.8	17.6		22.4*	17.6	
Position of spare tire storage		Flat in well under trunk floor; sta. wgn: upright behind rt. whlhse.							
Method of holding lid open		Torsion bar							

STATION WAGON—THIRD SEAT

Hip room	W86	--			--			--		
Effective leg room	L86	--		31.8	--		31.8	--		
Effective head room	H86	--		35.0	--		35.0	--		
Seat facing direction		--		Rear	--		Rear	--		

STATION WAGON—CARGO SPACE

MODEL	SAE Ref. No.	BR1, BR2	
		45	46
Minimum distance between wheel houses at floor level	W201	45.3	
Rear end opening width at belt	W204	50.0	
Floor length from back of front seat at floor level to inside of closed tail gate	L202	92.2	91.7
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	84.0	
Maximum height - floor covering to headlining at centerline of rear axle	H201	31.2	
Maximum height of rear opening - tail and lift gates open	H202	30.4	
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	88.0	

*Model 46 - 22.7

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	BR1	BR2				
MODEL	225 Cu In.	273 Cu In.	318 Cu In.	361 Cu In.	383 Cu In.	426 Hemi

ENGINE—GENERAL

Type, no. cyls., valve arr.		6, in-line, OHV		90° V-8			
Bore and stroke (nominal)		3.4 x 4.125	3.63 x 3.31	3.91 x 3.31	4.12 x 3.38	4.25 x 3.38 4.25 x 3.75	
Piston displacement, cu. in.		225	273	318	361	383 426	
Bore spacing (C/L to C/L)		(a)	4.46		4.80		
No. system (front to rear)	L. Bank	--	1-3-5-7				
	R. Bank	--	2-4-6-8				
Firing order		1-5-3-6-2-4		1-8-4-3-6-5-7-2			
Compres. ratio (nominal)		8.4	8.8	9.0		10.0 10.25	
Cylinder Head Material		Cast iron					
Cylinder Block Material		Cast iron					
Cylinder Sleeve-Wet, dry, none		None					
Number of mounting points	Front	Two					
	Rear	One					
Engine installation angle		(Parallel to car C. L. 2.6° up)					
Taxable horsepower	$\frac{\text{Dia}^2 \times \text{No. Cyl.}}{2.5}$	27.7	42.2	48.9	54.3	57.8	
Publishing max. bhp* @ eng. RPM		145 @ 4000	180 @ 4200	230 @ 4400	265 @ 4400	325 @ 4800 425 @ 5000	
Publishing max. torque* (lb. ft. @ RPM)		215 @ 2400	260 @ 1600	340 @ 2400	380 @ 2400	425 @ 2800 490 @ 4000	
Recommended fuel regular - premium		Regular				Premium	
Idle speed(spec. neutral or drive)	Manual	(b)	500 in neutral (d)				750
	Automatic	(b)	500 in neutral (d)				750

ENGINE—PISTONS

Material	Aluminum alloy					
Description and finish	Slipper-type, steel strut, elliptically-turned, tin-plated		(c)	Slipper-type, steel strut, elliptically-turned, tin-plated		(e)
Weight (piston only) oz.	16.4	18.7	20.9	25.3	27.1	29.7
Clearance (limits)	Top land	.025 - .030	.029 - .034	.032 - .038	.023	.023
	Skirt	.0005 - .0015				.0025 - .0035
	Bottom	--				
Ring groove depth	No. 1 ring	.179	.190	.205	.214	.220
	No. 2 ring	.179	.190	.205	.214	.220
	No. 3 ring	.181	.184	.198	.204	.208
	No. 4 ring	None				

*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) 550 in neutral, alternator charging
 (c) Horizontal slot, steel band, elliptically-turned, tin-plated
 (d) When so equipped, air conditioner is turned on
 (e) Forged, slipper-type, horizontal slot, elliptically turned, tin-plated

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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		
BR1	Except Station Wagon	225	1, 1-bbl	8.4	145 @ 4000	215 @ 2400	Manual 3-Speed	<u>3.23*</u> , 3.55
							Automatic	<u>2.93</u> , 3.23*, 3.55, <u>2.94*</u>
	Station Wagon						Manual 3-Speed	<u>3.23*</u> , 3.55
							Automatic	<u>2.94*</u> , 3.23*, 3.55
BR2	Std	273	1, 2-bbl	8.8	180 @ 4200	260 @ 1600	Manual 3-Speed	<u>3.23*</u> , <u>2.94*</u> , 3.55
							Automatic	<u>2.94*</u> , 3.23*
	Opt	318		9.0	230 @ 4400	340 @ 2400	Manual 3-Speed	<u>2.94*</u> , 3.23*, 3.55
							Automatic	<u>2.94*</u> , 3.23*
		361			265 @ 4400	380 @ 2400	Manual 4-Speed	<u>3.23*</u> , 3.55
							Automatic	3.23*, <u>2.94*</u>
		383	1, 4-bbl	10.0	325 @ 4800	425 @ 2800	Manual 4-Speed	<u>3.23*</u>
							Automatic	3.23*, <u>2.94*</u>
		426 Hemi	2, 4-bbl	10.25	425 @ 5000	490 @ 4000	Manual 4-Speed	(3.54) •
							Automatic	3.23*
								NOTE: Asterisk (*) indicates that axle ratio is available with sure-grip. Underscored ratios are standard A/C ratios. When enclosed with brackets, the ratio is available only with Sure-Grip.

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See Page 4 for Engine Usage

MODEL

225 Cu In. 273 Cu In. 318 Cu In. 361 Cu In. 383 Cu In. 426 Hemi

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.	(a)	(b)	(c)
	Width	.078		
	Gap	.010 to .020		.013 to .025
Oil	Description - material, coating, etc.	(d)	Cast iron	(d)
	Width	Rails .024	.186	Rails .024
	Gap	.015 to .055	.010 to .020	.015 to .055
Expanders		Expander-Spacer	(e)	Expander-Spacer

ENGINE—PISTON PINS

Material			High Manganese Steel				
Length			2.965	2.815	2.995	3.565	3.400
Diameter			.9008	.9842		1.094	1.0311
Type	Locked in rod, in piston, floating, etc.		Press-fit in rod	Floating		Press-fit in rod	Floating
	Bushing	In rod or piston	None	Rod		None	Rod
		Material	--	Bronze on steel		--	Bronze on steel
Clearance	In piston		(f)	.0000 to .0005		(f)	.0001 to .0006
	In rod		(g)	.0000 to .0005		(g)	.0002 to .0007
Direction & amount offset in piston			Right .06			Right .09	

ENGINE—CONNECTING RODS

Material		Drop-forged steel			
Weight (oz.)		26.8	25.6	28.6	38.2
Length (center to center)		6.70	6.12	6.36	6.861
Bearing	Material & Type	(h)	Bi-metal grid	(h)	Bi-metal grid
	Overall length	.985	.843	.927	
	Clearance (limits)	.0002 to .0022			
	End play	.006 to .012	.006 to .014 (2 rods)		.009 to .017 (2 rods)
		.0015 to .0025			

- (a) No. 1 - Cast iron, taper twist, tin-plated; No. 2 - Cast iron, reverse twist, taper face, lubrite coated
 (b) Cast iron, standard, taper and twist, tin-plated
 (c) Top cast iron, std taper and twist, chrome-plated; No. 2 - cast iron, standard taper and twist, tin-plated
 (d) 3-piece, two chrome-plated rails with stainless steel expander-spacer
 (e) Oil ring only: low-tension, hump-type
 (f) .00045 to .00075
 (g) .0007 to .0014 interference
 (h) Lead-base babbitt on steel, removable, precision

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MODEL _____	225 Cu In.	273 Cu In.	318 Cu In.	361 Cu In. 383 Cu In.	426 Cu In. Hemi
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ENGINE—CRANKSHAFT

Material		Drop-forged steel				
Vibration damper type		Non-adhesion, 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; #3 only: tin-base babbitt on steel			(b)
	Clearance		.0002 - .0022 specified; .0005 - .0015 desired			.0015 - .0025
	Journal dia. and bearing overall length	No. 1	2.750 x 1.034	2.500 x 0.872	2.625 x 0.944	2.750 x 0.944
		No. 2	2.750 x 1.034	2.500 x 0.872	2.625 x 0.944	2.750 x 0.944
		No. 3	2.750 x 1.254	2.500 x 1.151	2.625 x 1.223	2.750 x 1.223
		No. 4	2.750 x 1.034	2.500 x 0.872	2.625 x 0.944	2.750 x 0.944
		No. 5	--	2.500 x 1.562	2.625 x 0.944	2.750 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 side	Center of "V" above crankshaft				
Material		Hardenable cast iron; oil pump and distributor drive gear cast integrally					
Bearings	Material	Lead-base babbitt on steel					
	Number	Four	Five				
Type of Drive	Gear or chain		Chain			Double roller ch.	
	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	.637	1.02	.88	.86
		Pitch	.50	.38		.50	.375

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		NA		Standard	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	.013 Hot	Hydraulic	.028 Cold
	Exhaust	.020 Hot	.021 Hot	Hydraulic	.032 Cold
Timing marks on flywheel, damper, other		(a)	Stationary indicator on chain case cover		

(Continued)

(a) Stationary indicator on water pump housing

(b) Three layer: lead alloy overlay on nickel-plate barrier on cast copper-lead layer, steel-backed

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See Page 4 for Engine Usage

MODEL 225 Cu In. 1, 1-bbl 273 Cu In. 1, 2-bbl 318 Cu In. 1, 2-bbl 361 Cu In. 1, 2-bbl 383 Cu In. 1, 4-bbl 426 Cu In. 2, 4-bbl (Hemi)

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	10	14	19	13	14	30
		Closes (°ABC)	50	46	45	59	62	66
		Duration - deg.	240	240	244	252	256	276
	Exhaust	Opens (°BBC)	50	58	59	59	62	74
		Closes (°ATC)	6	2	1	13	18	22
		Duration - deg.	236	240	240	252	260	276
	Valve opening overlap		16	16	20	26	32	52
Intake	Material		SAE 1041					Silchrome XB
	Overall length		4.77	4.98	4.60	4.79	5.41	
	Actual overall head dia.		1.62	1.78	1.84	2.08	2.25	
	Angle of seat & face		45° - 45.5°					
	Seat insert material		None					
	Stem diameter		.37					.309
	Stem to guide clearance		.001 - .003					.002 - .004
	Lift (@zero lash)		.394	.395	.397	.392	.425	.480
	Outer spring press. and length	Valve closed (lb. @ in.)	53 @ 1.69			100 @ 1.86	125 @ 1.86	105 @ 1.86
		Valve open (lb. @ in.)	143.5 @ 1.31			195 @ 1.47	200 @ 1.47	184 @ 1.40
	Inner spring press. and length	Valve closed (lb. @ in.)	--					50 @ 1.64
		Valve open (lb. @ in.)	--					91 @ 1.175
Exhaust	Material		21 - 4N					21 - 4N (a)
	Overall length		4.80	5.00	4.54	4.89	4.86	
	Actual overall head dia.		1.36	1.50	1.56	1.60	1.94	
	Angle of seat & face		47° - 47.5°			45° - 45.5°		
	Seat insert material		None					
	Stem diameter		.37					.308
	Stem to guide clearance		.002 - .004					.003 - .005
	Lift (@zero lash)		.390	.405	.403	.390	.437	.460
	Outer spring press. and length	Valve closed (lb. @ in.)	53 @ 1.69			100 @ 1.86	125 @ 1.86	105 @ 1.86
		Valve open (lb. @ in.)	143.5 @ 1.31			195 @ 1.47	200 @ 1.47	184 @ 1.40
	Inner spring press. and length	Valve closed (lb. @ in.)	--					50 @ 1.64
		Valve open (lb. @ in.)	--					91 @ 1.175

ENGINE—LUBRICATION SYSTEM

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

(Continued)

(a) Stellite faced

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MODEL		225 Cu In.	273 Cu In. 318 Cu In.	361 Cu In.	383 Cu In.	426 Hemi	

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Rotary		
Normal oil pressure (lb. @ engine rpm)	45-65 @ 2000	50 @ 2000	45-65 @ 2000
Oil pressure sending unit (elect. or mech.)	Electric		
Type oil intake (floating, stationary)	Stationary		
Oil filter system (full flow, partial, other)	Full flow		
Filter replacement (element, complete)	Complete		
Capacity of crankcase, less filter-refill (qt.)	4		5
Oil grade recommended (SAE viscosity and temperature range)	Consistently above + 32F SAE 10W-30, SAE 20W-40, or SAE 30		
	Occasionally as low as -10F SAE 10W-30		
	Consistently between + 32F and -10F . . . SAE 10W-30 or SAE 10W		
	Consistently below + 10F SAE 5W-20		
Engine Service Requirement (MM, MS, etc.)	MS		

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single, with crossover	Dual	Dual with H - pipe
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse flow		Two, reverse flow	
Exhaust pipe dia. (O.D., wall thickness)	Branch	1.75 X .075	1.88 x .083	--
	Main	1.88 x .075	2.00 x .075	2.25 x .083
Tail pipe diameter (O.D. & wall thickness)	1.75 x .048	1.88 x .048		2.25 x .048

ENGINE— CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Induction system	
	Optional	--	
Control Unit	Make and model	Chicago Screw (2463554)	
	Location	Cylinder head cover outlet	
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold vacuum	
	Control method (variable orifice, fixed orifice, other)	Variable orifice	
Complete system	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)	Std: Breather cap Spec: Tube from carburetor air filter intake horn to oil filler cap(a)	
	Flame arrestor (screen, check valve, other)	Check valve	

(a) Available only on cars equipped with Cleaner Air Package (CAP)

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MODEL	225 Cu In.		273 Cu In.		318 Cu In.		361 Cu In.		383 Cu In.		426 Cu In.
	Man.	Auto.	Man.	Auto.	Man.	Auto.	Man.	Auto.	Man.	Auto.	Hemi

ENGINE—EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)	Engine modifications	NA
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	See page 10
	Barrel size	See page 10
	Idle speed	NA
	Drive Neutral	650 700 650 650 600 650 600 650 600 --
Distributor	Aux. Adv. Systems (type)	Manifold vacuum actuated control valve
	Make	See page 13a
	Model	See page 13a
	Centrifugal adv. in crank degrees @ eng. rpm.	See page 13a
	Start (rpm)	See page 13a
	Intermed. points deg. @ rpm	See page 13a
	Max. deg. @ rpm.	See page 13a
	Vacuum adv. in. crank degrees @ eng. rpm	See page 13a
Vacuum Source		(a)
Timing - Crank degrees @ Idle		5 ATC 1 TDC 5 ATC TDC --
Cooling System (describe changes)		Larger dia fan Higher capacity fan Larger dia and higher capacity fan --
Exhaust System (describe changes)		None

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All Models

MODEL

Except Station Wagons

Station Wagons

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 (gals.)	19	
	Filler location	Left rear fender	Top of left rear fender
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Right center - 225 cu in.; right front - all others	
	Pressure range	4-5.5 (225-, 361-, 383-, 426-cu in.); 6-7.5 (273- and 318-cu in.)	
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Fuel tank - plastic, fuel line - paper	
	Locations	In fuel tank and in-line between fuel pump and carburetor	
Carburetor	Choke type	Automatic, separate	
	Intake manifold heat control (exhaust or water)	Exhaust	
	Air cleaner type	Paper element	
		--	

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage		Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size		
				Make	Model				
BR1	Std	225	Manual	Holley	R-3279 A	1, 1-bbl	1.69		
	With CAP		Automatic		R-3280 A				
			Manual		R-3281 A				
			Automatic		R-3282 A				
BR2	Std	273	Manual	Ball and Ball	BBD-4113 S	1, 2-bbl	1.44		
			Automatic		BBD-4114 S				
		318	Manual	Stromberg	WW3-258			1, 4-bbl	P: 1.44 S: 1.56
			Automatic		WW3-259				
		361	Manual	Ball and Ball	BBD-4125 S		2, 4-bbl	1.56	
			Automatic		BBD-4127 S				
		383	Manual	Carter	AFB-4130 S	1, 4-bbl	P: 1.44 S: 1.56		
			Automatic		AFB-4131 S				
		426 Hemi	All	Carter	F: AFB-4139S	2, 4-bbl	P: 1.44 S: 1.69		
					R: AFB-4140S				
		With CAP	273	Manual	Ball and Ball	BBD-4115 S	1, 2-bbl	1.44	
				Automatic		BBD-4116 S			
	318		Manual	Stromberg	WW3-260	1, 4-bbl			1.56
			Automatic		WW3-261				
	361		Manual	Ball and Ball	BBD-4126 S	1, 4-bbl	P: 1.44 S: 1.56		
			Automatic		BBD-4128 S				
	383		Manual	Carter	AFB-4132 S	1, 4-bbl	P: 1.44 S: 1.56		
			Automatic		AFB-4133 S				

CAP: Cleaner Air Package

AMA Specifications—Passenger Car

PLYMOUTH BELVEDERE

MAKE OF CAR AND SATELLITE

MODEL YEAR 1966

DATE ISSUED 7-26-65 REVISED (*)

See Page 4 for Engine Usage

MODEL

225 Cu In.	273 Cu In.	318 Cu In.	361 Cu In.	383 Cu In.	426 Cu In.
Std	W/AC	Std	W/AC	Std	W/AC
					Hemi

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)	Pressure-Vent														
Radiator cap relief valve pressure	Std 14, with AC16														
Circulation Type (choke, bypass)	Choke, pellet														
thermostat Starts to open at (°F)	177 to 184														
Water pump Type (centrifugal, other)	Centrifugal														
GPM @ 1000 pump rpm	NA														
Number of pumps	One														
Drive (V-belt, other)	V-belt														
Bearing type	Ball, permanently sealed														
By-pass recirculation type (internal, external)	External					Internal									
Radiator core type (cellular, tube and fin, other)	Tube and spacer														
Cooling system capacity With heater (qt.)	13	14	18	21	17	18	17	18	17						
Without heater (qt.)	Heater is standard														
Opt. equipment-specify (qt.)	--														
Water jackets full length of cylinder (yes, no)	No					Yes									
Water all around cylinder (yes, no)	Yes														
Radiator hose	Lower	Number and type (molded, straight)	One, molded												
		Inside diameter	1.50				Radiator end: 1.50 Water pump end: 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	4 (a)		7 (b)		4 (a)		7 (b)		4 (a)		7 (b)			
	Diameter	17		18											
	Ratio-fan to crankshaft rev.	1.07-1		.95-1				1.4-1		.95-1		1.4-1			
	Fan cutout type	None						(c)		None		(c)			
	Bearing type	See water pump													
*Drive belts (indicate belt used by letter)	Fan	A		E		E		H		K		H		K	
	Generator or alternator	A		E		E		H		L		H		L	
	Water Pump	A		E		E		H		K		H		K	
	Power Steering	B		C		F		H		K		H		K	
	Air Conditioning	--		D		--		G		--		G		--	

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	J	K	L
Angle of V	36°										
Nominal length (SAE)	57.38	36.50	38.38	53.00	50.50	38.75	54.00	46.25	41.00	36.00	66.50
Width	0.38			0.50	0.38	0.50	0.50	0.38	0.50	0.38	0.47

(a) 76° - 104°

(b) 60° -45° -59° -47° -54° -50° -45°

(c) Viscous

Form Rev. 4-65

AMA Specifications—Passenger Car

PLYMOUTH BELVEDERE

MAKE OF CAR AND SATELLITE

MODEL YEAR 1966

DATE ISSUED 7-26-65 REVISED (a)

See Page 4 for Engine Usage

MODEL

225 Cu In.

273 Cu In.
318 Cu In.

361 Cu In.

383 Cu In.

426 Cu In.
Hemi

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		MoPar						
	Voltage Rtg. & Total Plates		12, 54		12, 66		12, 78		
	SAE Designation & Amp Hr. Rtg.		9 HC3, 48		9 HC3-A, 59		9 HC5, 70		
	Location		Left front fender shield						
	Terminal grounded		Negative						
Generator or Alternator	Make		Chrysler						
	Model		2098830 (a)						
	Type and rating		Three-phase, full wave rectifier						
	Output at engine idle (neutral)								
	Ratio-Gen. to Cr/s rev.		2.45-1		2.18-1		2.32-1 (b)		2.32-1
Regulator	Make		Chrysler						
	Model		2098300						
	Type		Voltage control						
	Cutout relay	Closing voltage @ generator rpm	--						
		Reverse current to open	--						
	Regu- lated	Voltage	13.6-14.5 @ 70 F						
		Current	--						
	Voltage test conditions	Temperature	75°						
		Load	--						
Other		Run 15 min. at 1250 engine rpm with 15-amp load							

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Chrysler			
	Model		2095150		2642445	
	Rotation (drive end view)		Clockwise			
	Engine cranking speed		--			
	Test conditions		--			
	No load test	Amps	90		78	
		Volts	11			
Motor control	RPM (min)		1925-2400		3800	
	Switch (solenoid, manual)		Solenoid			
	Starting procedure		With transmission in neutral, depress accelerator pedal one-third, turn ignition key beyond "Ignition On" position			

(Continued)

(a) 2098850 with 361- or 383-cu in. engines, or air conditioner

(b) With air conditioner, 2.44-1

AMA Specifications—Passenger Car

PLYMOUTH BELVEDERE

MAKE OF CAR AND SATELLITE

MODEL YEAR 1966

DATE ISSUED 7-27-65

REVISED (1) 1-26-66

See Page 4 for Engine Usage

225 Cu In.	273 Cu In.	318 Cu In.	361 Cu In.	383 Cu In.	426 Cu In.
Manual	Auto.	Manual	Auto.		Hemi

MODEL

ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Solenoid			
	Pinion meshes (front, rear)		Front			
	Number of teeth	Pinion	10			
		Flywheel	Manual	122	130	
			Auto.	122	130	
		Flywheel tooth face width	Manual		.340	
			Auto.		.340	

ELECTRICAL—IGNITION SYSTEM

Coil	Transistorized - Std., Opt., N.A.		NA						
	Make		Essex or Prestolite						
	Model		2444241 or 2444242						
	Amps	Engine stopped	3.0						
Engine idling		1.9							
Distributor	Make		See page 13a						
	Model		See page 13a						
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	See page 13a						
		Intermediate points deg. @ rpm.	See page 13a						
		Max. deg. @ rpm.	See page 13a						
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	See page 13a						
		Intermediate points, deg. @ in. Hg.	See page 13a						
		Max. deg. in. Hg.	See page 13a						
	Breaker gap (in.)		.017-.023		.014 - .019				
	Cam angle (deg.)		40-45		28 - 32		(a) •		
Breaker arm tension (oz.)				17 - 20		(b) •			
Timing	Crankshaft deg. @ idle		2.5 BTC	5 BTC	10 BTC	5 BTC	10 BTC	12.5 BTC	5 ATC •
	Mark location								
Spark Plug	Make and Model	MoPar	P-6-6P			P-3-6P		P-3-5P	--
		Champion	N-14Y			J-14Y		J-13Y	N-9Y •
	Thread (mm)		14						
	Tightening torque (lb. ft.)		30 - 32						
	Gap		.035						
Cable	Conductor type		Resistance						
	Insulation type (Jacket)	Neoprene	Hypalon		Neoprene		Hypalon		
		Hypalon	Silicon						

(a) Single breaker, 27° - 32°; two breakers, 37° - 42°

(b) 17 - 21.5 oz.

AMA Specifications—Passenger Car

PLYMOUTH BELVEDERE

MAKE OF CAR AND SATELLITE

MODEL YEAR 1966

DATE ISSUED 7-28-65

REVISED 1-26-66

DISTRIBUTOR DATA

AVAILABILITY

CAP: With Cleaner Air Package

Transmission	225 Cu In.		273 Cu In.		318 Cu In.		361 Cu In.		383 Cu In.		426 Cu In.	
	Std	CAP	Std	CAP	Std	CAP	Std	CAP	Std	CAP	Std	CAP
Manual	2444907	2642354	2642234	2642356	2444258	2642360	2642244	2642373	2642248	2642367	2642482	
Automatic	2444648	2642329	2642238	2642346	2444259	2642343	2642244	2642531	2642248	2642363	2642482	

SPECIFICATIONS

DISTRIBUTOR PART NUMBER	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine rpm				VACUUM ADVANCE Crankshaft Degrees at Inches of Mercury			
	Start		Intermediate		Maximum		Start	
	Maximum	Intermediate	Maximum	Intermediate	Maximum	Intermediate	Start	Maximum
2444258	0 @ 640- 960	0- 4 @ 960	9-13 @ 1700	21-25 @ 4600	0 @ 8-10	10-16 @ 13	18-24 @ 16	
2444259	0 @ 660-1140	0- 4 @ 1140	4- 8 @ 1600	16-20 @ 4600	0 @ 8-10	10-16 @ 13	18-24 @ 16	
2444648	0 @ 650- 950	0- 5 @ 950	15-19 @ 1920	21-25 @ 4400	0 @ 4.9-7.1	6-10 @ 10.5	10.5-15 @ 13	
2444907	0 @ 650- 950	0- 5 @ 950	15-19 @ 1920	21-25 @ 4400	0 @ 6.9-9.1	6-10 @ 12.5	10.5-15 @ 15	
2642234	0 @ 600- 900	0- 5 @ 900	15-19 @ 1740	21-25 @ 3500	0 @ 5-8	10-16 @ 10	21-27 @ 13.5	
2642238	0 @ 650- 950	0- 4 @ 950	10-14 @ 1660	16-20 @ 3500	0 @ 5-8	10-16 @ 10	21-27 @ 13.5	
2642244	0 @ 500- 900	0- 4 @ 900	5- 9 @ 1400	21-25 @ 4300	0 @ 4.5-8	8-14 @ 10.5	16-22 @ 13.6	
2642248	0 @ 620- 980	0- 4 @ 980	6-10 @ 1500	14-18 @ 4800	0 @ 6-9	9-15 @ 12	17-22 @ 15	
● 2642531	0 @ 800-1100	0- 9 @ 1100	15-19 @ 1600	31-35 @ 4400	0 @ 4.5-8	12-18 @ 12	23-29 @ 16.5	
2642329	0 @ 650- 950	0-15 @ 950	18.5-22.5 @ 1320	31-35 @ 4400	0 @ 5-7.1	6-12 @ 8.5	12-17 @ 10	
2642343	0 @ 650- 950	0- 8 @ 950	17.5-21.5 @ 1600	31-35 @ 4700	0 @ 8-10	10-16 @ 13	18-24 @ 16	
2642346	0 @ 700-1000	0-14 @ 1000	22.5-26.5 @ 1470	31-35 @ 3800	0 @ 7-9	12-18 @ 12	21-27 @ 15	
● 2642354	0 @ 700-1000	0-8.4 @ 1000	19.4-23.4 @ 1700	31-35 @ 4400	0 @ 4.9-7.1	6-10.4 @ 10.5	10.5-15 @ 13	
2642356	0 @ 700-1000	0-16 @ 1000	20.8-24.8 @ 1380	31-35 @ 3000	0 @ 5-8	10-16 @ 10	21-27 @ 13.5	
2642360	0 @ 650- 950	0-13 @ 950	15.5-19.5 @ 1320	31-35 @ 4700	0 @ 8-10	10-16 @ 13	18-24 @ 16	
● 2642363	0 @ 950-1250	0-9 @ 1250	16.4-20.2 @ 1800	25-29 @ 4500	0 @ 4.5-8	12-18 @ 12	23-29 @ 16.5	
2642367	0 @ 700-1000	0-14 @ 1000	21.4-25.4 @ 1460	31-35 @ 4800	0 @ 4.5-8	12-18 @ 12	23-29 @ 16.5	
2642373	0 @ 700-1000	0-17 @ 1000	18.8-22.8 @ 1330	36-40 @ 4400	0 @ 4.5-6.9	10-16 @ 10	23-29 @ 14.5	
● 2642482	0 @ 850-1150	0- 7 @ 1150	7.4-11.4 @ 1480	15-19 @ 2800	0 @ 6.0-9.0	9-15 @ 12	17-22 @ 15.0	

AMA Specifications—Passenger Car

PLYMOUTH BELVEDERE

MAKE OF CAR AND SATELLITE MODEL YEAR 1966 DATE ISSUED 7-27-65 REVISED (a) 1-26-66

*All Models

MODEL

ELECTRICAL—SUPPRESSION

Locations & type

Resistance-type leads to coil and spark plugs

ELECTRICAL—INSTRUMENTS AND EQUIPMENT

Speed-ometer	Make	King Seely
	Trip odometer (yes, no)	No
Charge indicator—type		Ammeter
Temperature indicator—type		Electric - Thermal
Oil pressure indicator—type		Light
Fuel indicator—type		Electric - Thermal
Other		None
Windshield wiper	Make	Various
	Type—Standard	Electric, Variable-Speed
	Type—Optional	None
	Vacuum booster provision	None
	Washer provision	Yes, Std
Horn	Type	Sea Shell
	Number used	Two
	Amp draw (each)	Spartan Automotive 6-8 amp; Prestolite 8-10 amp

DRIVE UNITS—CLUTCH (Manual Transmission)

Model		See Page 4 for Engine Usage							
		225 Cu In.		273 Cu In.		318	361	383	426 Cu In.
		Optional		Std	HD	Cu In.	Cu In.	Cu In.	Hemi
Make & type		Borg & Beck	Auburn	Borg & Beck					
Type pressure plate springs		Coil							
Total spring load (lb.)		1578	1375	1840	1920		2445	2646	
No. of clutch driven discs		One							
Clutch facing	Material	Woven asbestos							
	Outside & inside dia.	9.25 x 6.00		10 x 6.75		10.5 x 6.5		11 x 7.0	
	Total eff. area (sq. in.)	77.8		85.5		106.8		113.1	
	Thickness	.125	.114	.125					
	Engagement cushioning method	Flat wave springs							
Release bearing	Type & method of lubrication	Ball bearing, permanently lubricated							
Torsional damping	Methods: springs, friction material	Coil springs and friction washers							

AMA Specifications—Passenger Car

PLYMOUTH BELVEDERE

MAKE OF CAR AND SATELLITE MODEL YEAR 1966 DATE ISSUED 7-27-65 REVISED (a)

See Page 4 for Engine Usage

MODEL <u> </u>	225 Cu In.	273 Cu In.	318 Cu In.	361 Cu In.	383 Cu In.	426 Cu In. Hemi
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DRIVE UNITS—TRANSMISSIONS

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

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds		3		4
Transmission ratios	In first	2.95	3.02	2.66
	In second	1.83	1.76	1.91
	In third	1.00	1.00	1.39
	In fourth	--	--	1.00
	In reverse	3.80	3.95	2.58
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	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)	None
	Separate filler (yes, no)	
	Type recommended	
	SAE viscosity number	
	Summer	
	Winter	
	Extreme cold	

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

Four-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".

AMA Specifications—Passenger Car

PLYMOUTH BELVEDERE

MAKE OF CAR AND SATELLITE _____ MODEL YEAR 1966 DATE ISSUED 7-27-65 REVISED (*) 1-26-66

See Page 4 for Engine Usage

MODEL	225 Cu In. Ex 45, 46	273 Cu In. 45, 46	318 Cu In. Ex 45, 46	361- & 383 Cu In. 45, 46	426 Cu In. Hemi
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DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	TorqueFlite 6		TorqueFlite 8	
Type describe	Torque converter with automatically-operated planetary gear transmission			
Method of Selection (Lever, Push Button or other)	Belvedere - Steering column-mounted Satellite - Console-mounted			
Selector Pattern	P - R - N - D - 2 - 1			
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 speeds—drive range	40 - 75	50 - 80	45 - 70	
Max. kickdown speeds—drive range	65	70	65	
Torque converter	Number of elements	Three		
	Max. ratio at stall	2.2	2.0	
	Type of cooling (air, liquid)	Water		
Lubricant	Capacity—refill (pt.)	16.0	18.5	
	Type recommended	Automatic Transmission Fluid, Type AQ-ATF, Suffix "A"		
Special transmission features	--			

DRIVE UNITS—PROPELLER SHAFT

Number used	One								
Type (exposed, torque tube)	Exposed								
Outer diameter x length* x wall thickness	Manual 3-speed transmission	2.75 x 57.60 x .065	2.75 x 56.42 x .065 (a)	2.75 x 51.28 x .065 (a)	2.75 x 52.28 x .065 (a)	2.75 x 51.28 x .065 (a)	2.75 x 52.28 x .065 (a)	NA	
	Manual 4-speed transmission	NA					3.25 x 51.28 x .065 (a)	3.25 x 52.28 x .065 (a)	2.75 x 51.28 x .065
	Overdrive transmission	NA							
	Automatic transmission	2.75 x 57.60 x .065 (a)	2.75 x 56.42 x .065 (a)	2.75 x 55.42 x .065 (a)	2.75 x 56.42 x .065 (a)	2.75 x 51.28 x .065	2.75 x 52.28 x .065	2.75 x 51.28 x .065	2.75 x 51.28 x .065

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

(Continued)

(a) Rubber isolated

AMA Specifications—Passenger Car

PLYMOUTH BELVEDERE

MAKE OF CAR AND SATELLITE **MODEL YEAR** 1966 **DATE ISSUED** 7-27-65 **REVISED** (6)

MODEL

BR1 Except Station Wagons	BR1 Station Wagons BR2 All
------------------------------	-------------------------------

DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	--
	Lubrication (fitting, prepack)	--
Universal joints	Make	Chrysler
	Number used	Two
	Type (ball and trunnion, cross, other)	Cross and roller
	Bearing	Type (plain, anti-friction)
		Anti-friction
		Lubric. (fitting, prepack)
		Prepack
Drive taken through (torque tube or arms, springs)		Rear Springs
Torque taken through (torque tube or arms, springs)		Rear Springs

DRIVE UNITS—REAR AXLE

Description		Std: One-piece case Opt: Sure-Grip, two-piece case
Limited Slip differential, type		Torque-bias
Drive Pinion Offset		1.50
No. of differential pinions		Std 2, Opt 4
Ring gear O.D. (std. ratio)		7.25 8.75
Pinion adjustment (shim, other)		Solid shim (washer)
Pinion bearing adj. (shim, other)		Shim pack
Wheel bearing type		Tapered roller bearing
Lubricant	Capacity (pt.)	2.0 4.0
	Type recommended	Multipurpose Gear Lubricant
	SAE viscosity number	Summer
		Above -10F SAE 90
		Winter
		As low as -30F SAE 80
		Extreme cold
		Below -30F SAE 75

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 4 for axle ratio usage)

Axle ratio		2.93	2.94	3.23	3.55
No. of teeth	Pinion	14	16	13	11
	Ring gear	41	47	42	39

AMA Specifications—Passenger Car

PLYMOUTH BELVEDERE		MODEL YEAR 1966		DATE ISSUED 7-27-65		REVISED 1-26-66	
MAKE OF CAR AND SATELLITE		MODEL		BR1		BR2	
		21, 23 41		27		273, 318 Ex 45, 46	
MODEL				361, 383		426 Ex 45, 46	
				21, 23, 41, 27		All Engines 45 46	

DRIVE UNITS—WHEELS

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

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	6.95 x 14	7.35 x 14	7.75 x 14	8.25 x 14
	Type - Nylon, etc.	Rayon			
Rev/mile at 50 mph.					
Inflation press. (cold)	Front	24			
	Rear	24		28	
Optional tires - size and ply		7.35 x 14 7.75 x 14	7.75 x 14	--	8.25x14 4-ply 8.25 x 14 4-ply

BRAKES—SERVICE

Type (duo-servo, disc, balanced, etc.)		Std - Duo-servo; Opt - front, disc, rear, Duo-servo			
Self adjusting (std., opt., N.A.)		Std	Std (a)	NA	Std
Hydraulic system type (single, dual, etc.)		Single			
Power brake make & type (remote, integral, etc.)		Opt, own, integral, pedal-assist, vacuum-operated			
Effective area (sq. in.) *		165.9	195.2 (c)	195.2 (a) (c)	234.1 (c) 195.2 (a) (c)
Gross lining area (sq. in.) **		165.9	195.2 (c)	195.2 (a) (c)	234.1 (c) 195.2 (a) (c)
Swept drum area (sq. in.) ***		267.1	314.2 (c)	314.2 (a) (c)	380.1 (c) 314.2 (a) (c)
Percent brake effectiveness—front		60			
Drum or Rotor	Diameter	Front	10	10 (a)	11 10 (a)
		Rear	10	10 (a)	11 (d) 10 (a)
	Type and material	Drum - cast iron, centrifuse; Disc - cast iron			
	Rotor (vented or solid)	Ventilated			
No. pistons per caliper		Two			
Wheel cyl- inder bore	Front	Drum 1.125, Disc 1.638			
	Rear	.9375			
Master cylinder bore		1.00			
Available pedal travel		Manual 7.10, Power 3.23			
Line pressure at 100 lb. pedal load		Manual 830, Power 930			
Shoe clearance adjustment		No major adjustment required (b)			

* Excludes rivet holes, grooves, chamfers, etc.

(Continued)

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

*** Total swept area for four brakes:

Widest lining contact width for each brake x its drum circumference.

- (a) 11 x 3 front and 11 x 2.5 rear are optional on cars equipped with the 383-cubic inch engine. When so equipped, data are the same as shown for cars equipped with the 426-cubic inch Hemi engine.
- (b) All cars equipped with 11-inch brakes use manual adjusters. To adjust, tighten until a slight drag is felt, then back off 10 to 12 notches.
- (c) With disc brakes: effective area is 131.6, gross lining area is 133.6, and swept area is 387.8.
- (d) With disc brakes: 10 x 2.50.

AMA Specifications—Passenger Car

PLYMOUTH B ELVEDERE

MAKE OF CAR AND SATELLITE MODEL YEAR 1966 DATE ISSUED 7-27-65 REVISED (*)

MODEL	BR1	BR2		BR1, BR2	
	21,23,27,41	273, 318 Ex 45, 46	361, 383 21, 23, 41, 27	426 Ex 45, 46	All Engines 45 46

BRAKES—SERVICE (cont.)

Brake lining	* Drum or Disc		Drum - Std, Disc - Opt				
	Bonded or riveted		Bonded				
	Front Wheel	Material	Molded asbestos				
		Size (length x width x thickness)	Prim. or out-board	8.46 x 2.50 x 0.19	8.46 x 2.50 x 0.19	8.46 x 2.50 x 0.19 (a)	11.97 x 3.00 x 0.19
		Second. or in-board	11.06 x 2.50 x 0.25	11.06 x 2.50 x 0.19	11.06 x 2.50 x 0.19 (a)	11.97 x 3.00 x 0.19	11.06 x 2.50 x 0.19 (a)
		Segments per shoe	One				
	Rear Wheel	Material	Molded asbestos				
		Size (length x width x thickness)	Prim. or out-board	8.46 x 1.75 x 0.19	8.46 x 2.50 x 0.19	8.46 x 2.50 x 0.19 (a)	11.97 x 2.50 x 0.19
		Second. or in-board	11.06 x 1.75 x 0.25	11.06 x 2.50 x 0.19	11.06 x 2.50 x 0.19 (a)	11.97 x 2.50 x 0.19	11.06 x 2.50 x 0.19 (a)
		Segments per shoe	One				

BRAKES—PARKING

Type of control		Foot-operated pedal, hand release lever
Location of control		Under left end of instrument panel
Operates on		Rear Wheels
If separate from service brakes	Type (internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--

FRAME

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

STEERING

Manual (std., opt., NA)			Std	
Power (std., opt., NA)			Opt	
Adjustable steering wheel (tilt, swing, other)		Type and description	None	
		(std., opt., NA)	--	
Wheel diameter		Manual	16.0	
		Power	16.0	
Turning diameter	Outside front	Wall to wall (l. & r.)	43.7	44.0
		Curb to curb (l. & r.)	40.6	40.9
	Inside rear	Wall to wall (l. & r.)	23.8	24.1
		Curb to curb (l. & r.)	24.5	24.7
Outside wheel angle with inside wheel at 20°			17.8°	
Manual	Gear	Type		Worm and ball nut
		Make		Chrysler
		Ratios	Gear	24.0 to 1
			Overall	29.0 to 1
	No. wheel turns		5.4	

* Bonded or riveted

(a) For optional linings, see data for BR2 with 426 cu in. engine

(Continued)

AMA Specifications—Passenger Car

PLYMOUTH BELVEDERE

MAKE OF CAR AND SATELLITE **MODEL YEAR** 1966 **DATE ISSUED** 7-27-65 **REVISED** (9)
MODEL

All Models

STEERING (cont.)

Power	Type (coaxial, linkage, etc.).		Integral
	Make		Chrysler
	Gear	Type	Rack and sector
		Ratios	15.7 to 1
		Gear Overall	19.0 to 1
	Pump driven by		Belt from crankshaft pulley
Linkage	Number wheel turns		3.5
	Type		Trailing, parallel idler arms, 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 sintered metal
Wheel Alignment (range at curb weight and preferred)	Caster (deg.)		Manual steering: $-0.5^{\circ} \pm 0.5^{\circ}$ Power steering: $+0.75^{\circ} \pm 0.5^{\circ}$
	Camber (deg.)		Left side: $+0.5^{\circ} \pm 0.25^{\circ}$ Right side: $+0.25^{\circ} \pm 0.25^{\circ}$
	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	0.7498
	Thread size		3/4 - 16 UNF - 3A
	Bearing type		Roller

AMA Specifications—Passenger Car

PLYMOUTH BELVEDERE

MAKE OF CAR AND SATELLITE MODEL YEAR 1966 DATE ISSUED 7-27-65 REVISED (1) 1-26-66

	225	273-, 318-, 361-, & 383 Cu In.	426 Cu In.
MODEL	Exc 45, 46	45, 46	Exc 45, 46

SUSPENSION—GENERAL

(See Supplemental page for details on Air Suspension)*

Provision for car leveling	Manual adjustment at torsion bar anchor bolt
Provision for brake dip control	By inclined upper control arms and asymmetrical rear springs
Provision for acc. squat control	Asymmetrical rear springs
Special provisions for car jacking	None
Shock absorber front & rear	Direct
	Chrysler
	1.0
Other special features	--

SUSPENSION—FRONT

Type and description	Independent, lateral, non-parallel control arms with torsion bars		
Spring	Type	Torsion bar	
	Material	Chromium alloy steel	
	Size (coil design height & I.D.; bar length x dia.)	41.0 x 0.86	41.0 x 0.88
	Spring rate (lb. per in.)	Not applicable	
	Rate at wheel (lb. per in.)	95	102
Stabilizer	Type (link, linkless, frameless)	Std - None	Std - Link
		Opt - Link	
	Material & bar diameter	0.84 - optional	0.94

SUSPENSION—REAR

Type and description			Parallel, longitudinal leaf				
Drive and torque taken through			Rear springs				
Spring	Type		Semielliptical, asymmetrical				
	Material		Chromium alloy steel				
	Size (length x width, coil design height & I.D.; bar length & dia.		58 x 2.5				
	Spring rate (lb. per in.)		90	113	90	113	125
	Rate at wheel (lb. per in.)		110	139	110	139	150
	Mounting insulation type		Rubber				
	if leaf	No. of leaves	4.5				5.5
			Shackle (comp. or tens)				
Stabilizer	Type (link, linkless, frameless)		Compression:				
	Material		None				
			--				
Track bar type			None				

AMA Specifications—Passenger Car

PLYMOUTH BELVEDERE

MAKE OF CAR AND SATELLITE MODEL YEAR 1966 DATE ISSUED 7-27-65 REVISED (a) 1-26-66

	BR1 - L, H		BR2 - L, H		BR2 - P		
MODEL	21	23	27	41	45, 46	23	27

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front					
	Rear doors	Front					
Type of finish (lacquer, enamel, other)		Buffable acrylic enamel					
Hood counterbalanced (yes, no)		Yes					
Hood release control (internal, external)		External					
Vehicle Ident. No. location		Left front door hinge pillar					
Engine No. location		Not applicable					
Theft protection - type		Ignition key start, ignition switch terminal block, door locks					
Vent window control method (crank, friction pivot)	Front	Friction pivot					
	Rear	None					
Seat cushion type	Front	FW			ZZ		
	Rear	FW	Coil	FW		Coil	
	3rd seat	--		ZZ	--		
Seat back type	Front	Coil		FW		ZZ	
	Rear	FW	Coil	FW		Coil	
	3rd seat	--		Coil	--		
Windshield glass type (i.e., single curved - laminated plate)		Single, curved, laminated, safety plate ✓					
Side glass type (i.e., curved - tempered plate)		Curved, heat-treated, safety sheet					
Backlight glass type (i.e., compound curved - tempered plate, three piece)		1-piece, curved	plastic	1-piece curved	1-piece flat	1-piece curved	plastic
Windshield glass exposed surface area		1317	1264	1317	1264		
Side glass exposed surface area		1352	1275	1217	1383	2734	1275 1217
Backlight glass exposed surface area		1026	1321	1045	1026	826	1321 1045
Total glass exposed surface area		3695	3860	3526	3726	4877	3860 3526

LAMP HEIGHT AND SPACING

Height above ground to center of bulb	Headlamp	Highest *	
		Lowest	
	Tail	Highest	
		Lowest	
Distance from C/L of car to center of bulb	Headlamp	Inside	
		Outside *	
	Tail	Inside	
		Outside	
	Directional	Front	
		Rear	

* If single headlamps are used enter here.

FW - Formed wire

ZZ - Zigzag

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PLYMOUTH BELVEDERE

MAKE OF CAR	AND SATELLITE	MODEL YEAR	1966	DATE ISSUED	7-27-65	REVISED (*)			
		BR1 - L, H BR2 - L, H				BR1 - P, BR2 - P			
MODEL		21	23	27	41	45	46	23	27

CONVENIENCE EQUIPMENT

(Indicate whether standard, optional or NA on each series)

Power windows	Side Windows	NA	Opt	NA	Opt
	Vent Windows	NA			
	Backlight or tailgate	NA	Opt	Std	NA
Power seats (specify type as well as availability)		NA			
Reclining front seat back		NA			
Front seat headrest		NA			
Radios (specify type as well as availability)		Opt - AM and AM-FM			
Rear seat speaker		Opt	NA	Opt	NA
Power Antenna		NA			
Clock		Opt			
Air Conditioner (specify type and availability)		Opt - front unit with integral heater or hang-on unit without heater			
Speed warning device		NA			
Speed control device		NA			
Ignition lock lamp		NA			
Back up lamp		Std			
Dome lamp		Std	NA	Std	NA
Glove compartment lamp		Opt			
Prkg. brake signal lamp		Opt			
Luggage compartment lamp		Opt			
Underhood lamp		Opt			
Courtesy lamp		NA			S
Map lamp		NA	Opt	NA	Opt
Auto. trans. quad. lamp		Std with automatic			
Emergency flasher lamp		Opt (mandatory in N. Y.)			
Cornering light lamp		NA			
Instrument panel pad		Std			
Multi-speed wipers & washers		Std			
Seat belts - lap (4)		Std			
Seat belts - shoulder		Opt			
Outside rearview mirror		Std			

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PLYMOUTH BELVEDERE

MAKE OF CAR AND SATELLITE _____ MODEL YEAR 1966 DATE ISSUED 7-27-65 REVISED 1-26-66

WEIGHTS

Model	CURB WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING WEIGHT
	Front	Rear	Total	Pass. In Front		Pass. In Rear		
				Front	Rear	Front	Rear	
SIX CYLINDER								
BELVEDERE I								
2-Door Sedan	1645	1505	3150	48.9	51.1	19.5	80.5	3015 ●
4-Door Sedan	1655	1525	3180	48.9	51.1	19.5	80.5	3040 ●
Station Wagon, 2-Seat	1600	2005	3605	49.3	50.7	20.2	79.8	3470 ●
BELVEDERE II								
2-Door Hardtop	1650	1535	3185	48.9	51.1	21.2	78.8	3040 ●
Convertible Coupe	1695	1565	3260	48.9	51.1	21.2	78.8	3115 ●
4-Door Sedan	1640	1530	3170	48.9	51.1	19.5	80.5	3035 ●
Station Wagon, 2-Seat	1600	2005	3605	49.3	50.7	20.2	79.8	3465 ●
Station Wagon, 3-Seat	1595	2105	3700	49.3	50.7	20.2	79.8	3565 ●
V-8 MODELS								
BELVEDERE I								
2-Door Sedan	1745	1585	3330	48.9	51.1	19.5	80.5	3175 ●
4-Door Sedan	1755	1600	3355	48.9	51.1	19.5	80.5	3210 ●
Station Wagon, 2-Seat	1705	2025	3730	49.3	50.7	20.2	79.8	3575 ●
BELVEDERE II								
2-Door Hardtop	1750	1610	3360	48.9	51.1	21.2	78.8	3205 ●
Convertible Coupe	1780	1650	3430	48.9	51.1	21.2	78.8	3285 ●
4-Door Sedan	1740	1605	3345	48.9	51.1	19.5	80.5	3195 ●
Station Wagon, 2-Seat	1705	2025	3730	49.3	50.7	20.2	79.8	3585 ●
Station Wagon, 3-Seat	1685	2135	3820	49.3	50.7	20.2	79.8	3670 ●
SATELLITE								
2-Door Hardtop	1765	1640	3405	49.3	50.7	21.2	78.8	3255 ●
Convertible Coupe	1805	1670	3475	49.3	50.7	21.2	78.8	3320 ●
Accessories & Equipment Differential Weights				Remarks				
Air Conditioner	+ 106	+ 3	+ 109	With 225-cubic inch engine				
	+ 129	0	+ 129	With 273- and 318-cubic inch engines				
	+ 123	+ 1	+ 124	With 361- and 383-cubic inch engines				
318-cubic inch engine	+ 62	+ 1	+ 63					
361-cubic inch engine	+ 144	- 6	+ 138	●				
383-cubic inch engine	+ 138	+ 15	+ 153	●				
426-cu in. Hemi head engine	+ 309	+ 57	+ 366	Not available on station wagons ●				
Automatic transmissions	+ 28	+ 4	+ 32	With 225-cubic inch engine				
	- 17	- 8	- 25	With 273-cubic inch engine				
	+ 12	- 2	+ 10	With 318- and 361-cubic inch engines				
	+ 14	+ 1	+ 15	With 383-cubic inch engine ●				
	0	+ 4	+ 4	With 426-cubic inch Hemi head engine ●				
4-speed manual transmission	+ 31	+ 6	+ 37	With 361-, 383-, and 426-cubic inch engines ●				
Power Brakes	+ 8	+ 1	+ 9					
Power steering	+ 42	- 2	+ 40	6-cylinder engines ●				
	+ 40	- 2	+ 38	V-8 engines				
Power Windows	+ 9	+ 9	+ 18	2-Door Hardtop and convertible coupe only ●				
Power tail gate	0	+ 5	+ 5	Std equipment on 3-seat station wagons ●				
Radio	+ 7	0	+ 7					
Roof luggage rack	- 3	+ 25	+ 22	●				
Undercoat, full	+ 35	+ 35	+ 70	All except station wagons ●				
	+ 25	+ 15	+ 40	Station Wagons				

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