

## AMA Specifications – Passenger Car

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<b>MANUFACTURER</b> CHRYSLER-PLYMOUTH DIVISION CHRYSLER CORPORATION	<b>CAR NAME</b> PLYMOUTH VALIANT PLYMOUTH				
<b>MAILING ADDRESS</b> Detroit 31, Michigan	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><b>MODEL YEAR</b> 1962</td> <td style="width: 50%;"><b>ISSUED:</b> 8-1-61</td> </tr> <tr> <td colspan="2"><b>REVISED (*)</b> 1-25-62</td> </tr> </table>	<b>MODEL YEAR</b> 1962	<b>ISSUED:</b> 8-1-61	<b>REVISED (*)</b> 1-25-62	
<b>MODEL YEAR</b> 1962	<b>ISSUED:</b> 8-1-61				
<b>REVISED (*)</b> 1-25-62					

**NOTES:**

1. The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
2. UNLESS OTHERWISE INDICATED:
  - a. Specifications apply to the standard model without optional equipment. Significant deviations are noted.
  - b. Specifications apply basically to 4-door sedan or equivalent.
  - c. Nominal design dimensions are used throughout these specifications.

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<b>BODY—TYPES AND STYLE NAMES—</b>		Body type, number of passenger & style names; use manufacturer's code for series & body style.						
		<b>PLYMOUTH VALIANT</b>						
		V-100	V-200	SIGNET 200				
2-Door Sedan		SV1-L-21	SV1-H-21					
2-Door Hardtop				SV1-P-23				
4-Door Sedan		SV1-L-41	SV1-H-41					
4-Door Suburban, 6-Passenger		SV1-L-45	SV1-H-45					
		<b>PLYMOUTH SIX</b>			<b>PLYMOUTH V-8</b>			
		Savoy	Belvedere	Fury	Savoy	Belvedere	Fury	Sport Fury
2-Door Sedan		SP1-L-21	SP1-M-21		SP2-L-21	SP2-M-21		
2-Door Hardtop			SP1-M-23	SP1-H-23		SP2-M-23	SP2-H-23	SP2-P-23
Convertible Coupe							SP2-H-27	SP2-P-27
4-Door Sedan		SP1-L-41	SP1-M-41	SP1-H-41	SP2-L-41	SP2-M-41	SP2-H-41	
4-Door Hardtop							SP2-H-43	
4-Door Suburban, 6-Passenger		SP1-L-45	SP1-M-45		SP2-L-45	SP2-M-45	SP2-H-45	
4-Door Suburban, 9-Passenger						SP2-M-45	SP2-H-45	

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PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE ISSUED 8-1-61 REVISED(\*) 1-25-62

## GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL	Additional Information Page No.:	SV1		SP1		SP2		
		Sedan	Sub.	Sedan	Sub.	Sedan	Conv.	Sub.
Wheelbase (L-101)	23	106.5		116.0				
Tread	Front (W-101)	24	55.9		59.4			
	Rear (W-102)	24	55.6		57.5			
Maximum Overall Dimensions	Length (L-103)	23	184.2		202.0	210.0	202.0	210.0
	Width (W-103)	24	70.4		75.6			
	Height (H-101)	22	53.4	52.7	53.7	53.9	54.0	54.5
Transmission— (Specify trade name - opt., not available)	Manual	13	Std.					
	Overdrive	14	---					
	Automatic	14	Opt. - TorqueFlite Six			Opt. - TorqueFlite		
Axle ratio	Manual	15	3.23		3.31	3.23		
	Overdrive	15	---					
	Automatic	15	3.23		2.93	3.23	2.76	
Tire size	16	6.50 x 13		6.50(b) x 14	7.00 x 14			
Engine (a)	Type, no. cyl., valve arr.	2	6, In-Line, OHV, Inclined 30°			90° V-8, In-Line, OHV		
	Fuel system (Carb., other)	6	Carb., 1-bbl			Carb., 2-bbl		
	Bore and stroke	2	3.4 x 3.125		3.4 x 4.125		3.91 x 3.31	
	Piston displ., cu.in.	2	170		225		318	
	Std. compression ratio	2	8.2			9.0		
	Max. bhp at engine rpm	2	101 @ 4400		145 @ 4000		230 @ 4400	
	Max. torque at rpm	2	155 @ 2400		215 @ 2800		340 @ 2400	

(a) See Pages 2, 2A, and 2AA for optional power plants.

(b) Later-built cars - 7.00 x 14.

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PLYMOUTH VALIANT		MODEL YEAR	1962	DATE: ISSUED	8-1-61	REVISED (a)	10-23-61
PLYMOUTH		SV1				SP1	
MAKE OF CAR	Std.	Power Pak (a)				Std.	

## ENGINE—GENERAL

Type, no. cyls., valve arr.		6, Inclined 30°, In-Line, OHV		
Bore and stroke (nominal)		3.4 x 3.125	3.4 x 4.125	
Piston displacement, c.u. in.		170	225	
Bore spacing (C/L to C/L)		3.98 for 1-2, 3-4, and 5-6; 4.0 for 2-3 and 4-5		
No. system (front to rear)	L. Bank	---		
	R. Bank	---		
Firing order		1 - 5 - 3 - 6 - 2 - 4		
Compres. ratio (nominal)		8.2		
Cylinder Head Material		Cast Iron		
Cylinder Sleeve—Wet, dry, none		None	Dry	None
Number of mounting points	Front	Two		
	Rear	One		
Engine installation angle		1.25° left, 3° vertically		1° right, 2.5° vertically •
Taxable horsepower	Dia. <sup>2</sup> x No. Cyl. 2.5	27.7		
Published max. bhp* @ eng. RPM		101 @ 4400	145 @ 4000	
Published max. torque* (lb. ft. @ RPM)		155 @ 2400	215 @ 2800	
Recommended fuel regular - premium		Regular		
Idle speed (spec. neutral or drive)	Manual	550		
	Automatic	550		

## ENGINE—PISTONS

Material	Aluminum Alloy
Description and finish	Slipper-type, steel strut, elliptically turned, tin-plated
Weight (piston only) oz.	16.4

\* Max. bhp (brake horsepower) and max. torque corrected as defined by SAE Engine Test Code.

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(a) Aluminum cylinder block.

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PLYMOUTH VALIANT

MAKE OF CAR **PLYMOUTH**

MODEL YEAR **1962**

DATE ISSUED **8-1-61**

REVISED (\*) **1-25-62**

	SP2		
MODEL	Std.	Super Fury	Golden Commando

## ENGINE—GENERAL

Type, no. cyls., valve arr.	90° V-8, OHV		
Bore and stroke (nominal)	3.91 x 3.31	4.12 x 3.38	
Piston displacement, cu. in.	318	361	
Bore spacing (C/L to C/L)	4.46	4.80	
No. system (front to rear)	L. Bank	1 - 3 - 5 - 7	
	R. Bank	2 - 4 - 6 - 8	
Firing order	1 - 8 - 4 - 3 - 6 - 5 - 7 - 2		
Compres. ratio (nominal)	9.0		
Cylinder Head Material	Cast Iron		
Cylinder Sleeve—Wet, dry, none	None		
Number of mounting points	Front	Two	
	Rear	One	
Engine installation angle	1° right, 2.5° vertically		
Taxable horsepower	48.9		54.3
Published max. bhp* @ eng. RPM	230 @ 4400	260 @ 4400	305 @ 4800
Published max. torque* (lb. ft. @ RPM)	340 @ 2400	345 @ 2800	395 @ 3000
Recommended fuel regular - premium	Regular	Premium	
Idle speed (spec. neutral or drive)	Manual	500	
	Automatic	500	

## ENGINE—PISTONS

Material	Aluminum Alloy	
Description and finish	Horizontal Slot, Steel Band, Elliptically-Turned, Tin-Plate	Slipper-Type, Steel Strut, Elliptically-Turned, Tin-Plate
Weight (piston only) oz.	20.9	25.3

\* Max. bhp (brake horsepower) and max. torque corrected as defined by SAE Engine Test Code.

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# AMA Specifications – Passenger Car

PLYMOUTH VALIANT  
 MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE ISSUED 8-4-61 REVISED (•) 1-25-62

## POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first)
	Displ. cu. in.	Carburetor	Compr. Ratio	BPH @ RPM	Torque @ RPM		
<b>VALIANT</b>							
Std. Equipment	170	1-bbl	8.2	101 @	155 @	Manual 3-Speed	3.23, 3.55, 3.91
				4400	2400	Automatic 3-Speed	3.23, 3.55
Power Pak	225	1-bbl	8.2	145 @	215 @	Manual 3-Speed	3.23, 3.55, 3.91
				4000	2800	Automatic 3-Speed	2.93, 3.23, 3.55
<b>PLYMOUTH SIX</b>							
Std. for Sedans, Coupes & HT's	225	1-bbl	8.2	145 @	215 @	Manual 3-Speed	3.31, 3.55
						4000	2800
Standard for Suburbans	225	1-bbl	8.2	145 @	215 @	Manual 3-Speed	3.23, 3.55
						4000	2800
<b>PLYMOUTH V-8</b>							
Std. Equip. - ● Savoy, Belvedere, Fury, Sport Fury	318	2-bbl	9.0	230 @	340 @	Manual 3-Speed	3.23, 3.55
				4400	2400	Automatic 3-Speed	2.76, 3.23
Power Pak	318	2-bbl	9.0	260 @	345 @	Automatic 3-Speed	3.23, 2.76
Golden Commando	361	4-bbl	9.0	305 @	395 @	Manual 3-Speed	3.23, 3.55
				4800	3000	Automatic 3-Speed	3.23, 2.76

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<b>MAKE OF CAR</b>	PLYMOUTH	<b>MODEL YEAR</b>	1962	<b>DATE ISSUED</b>	8-1-61	<b>REVISED</b>	
<b>MODEL</b>		SV1					
	Std.		Power Pak				SPI

## ENGINE PISTONS (Cont.)

<b>Clearance (limits)</b>	Top land		.025 - .030
	Skirt	Top	.00075 - .00125; accept .0005 - .0015
		Bottom	---
<b>Ring groove depth</b>	No. 1 ring		.179
	No. 2 ring		.179
	No. 3 ring		.181
	No. 4 ring		---

## ENGINE—RINGS

<b>Function (top to bottom)</b>	No. 1, oil or comp.		Comp.
	No. 2, oil or comp.		Comp.
	No. 3, oil or comp.		Oil
	No. 4, oil or comp.		---
<b>Compression</b>	Description - material, type, coating, etc.	Cast iron, low taper and twist, tin plated	#1 Taper twist, tin plated #2 Reverse twist, taper face, lubrite coated
	Width		.078
	Gap		.010 - .020
<b>Oil</b>	Description - material, type, coating, etc.	Cast iron, single piece	3-piece: Two chrome-plated rails with stainless steel expander-spacer
	Width		.186
	Gap		.010 - .020
<b>Expanders</b>			Oil ring only: Low tension, hump type

## ENGINE—PISTON PINS

<b>Material</b>		High manganese steel	
<b>Length</b>		2.965	
<b>Diameter</b>		.9008	
<b>Type</b>	Locked in rod, in piston, floating, etc.	Press-fit in rod	
	Bushing	In rod or piston	None
		Material	None
<b>Clearance</b>	In piston	.00035 - .00085	
	In rod	.0007 - .0014 (interference)	
<b>Direction &amp; amount offset in piston</b>		Right .06	

## ENGINE—CONNECTING RODS

<b>Material</b>		Drop-forged steel
<b>Weight (oz.)</b>	25.7	27.3
<b>Length (center to center)</b>	5.707	6.699
<b>Bearing</b>	Material & Type	Lead-base babbitt on steel, removable, precision
	Overall length	.98 - .99
	Clearance (limits)	.0005 - .0015
	End play	.006 - .012

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<b>MODEL</b>	Std.	Super Fury	Golden Commando				

## ENGINE PISTONS (Cont.)

Clearance (limits)	Top land	.029 - .034	.042 - .048
	Skirt	Top Bottom	.0005 - .0015 ---
Ring groove depth	No. 1 ring	.21	.230
	No. 2 ring	.21	.230
	No. 3 ring	.20	.221
	No. 4 ring	None	

## ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.		Comp.
	No. 2, oil or comp.		Comp.
	No. 3, oil or comp.		Oil
	No. 4, oil or comp.		None
Compression	Description - material, type, coating, etc.	Cast Iron, Standard Taper and Twist, Tin-Plated	
	Width	.078	
	Gap	.010 - .020	.013 - .025
Oil	Description - material, type, coating, etc.	Cast Iron, Single Piece	
	Width	.186	
	Gap	.010 - .020	.013 - .025
Expenders	Oil Ring Only	Low tension, hump type	Standard tension, hump type

## ENGINE—PISTON PINS

Material		High Manganese Steel	
Length		2.995	3.565
Diameter		.9842	1.094
Type	Locked in rod, in piston, floating, etc.	Floating	Press-fit in rod
	Bushing	Rod	None
		Material	Bronze on Steel
Clearance	In piston	.0000 - .0005	.00035 - .00085
	In rod	.0001 - .0006	.0007 - .0014 (interference)
Direction & amount offset in piston		Right .06	Right .09

## ENGINE—CONNECTING RODS

Material		Drop-forged steel	
Weight (oz.)		25.6	28.6
Length (center to center)		6.12	6.36
Bearing	Material & Type	Bi-metal grid	Lead-base babbitt on steel, removable, precision
	Overall length	.843	.927
	Clearance (limits)	.0005 - .0015	
	End play	.006 - .014 (2 rods)	.009 - .017 (2 rods)

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PLYMOUTH VALIANT  
 MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE ISSUED 8-1-61 REVISED (●) 1-25-62

<b>MODEL</b>	SV1		SP1	SP2		
	Std.	Power Pak		Std.	Super Fury	Golden Commando

## ENGINE—CRANKSHAFT

Material		Drop-forged steel			
Vibration damper type		Non-adhesion, rubber, dynamic			
End thrust taken by bearing (No.)		Three			
Crankshaft end play		.002 to .007			
Main bearing	Material & type		Lead-base babbitt on steel, removable, precision; #3 only - tin-base babbitt on steel		
	Clearance		.0005 to .0015		
	Journal dia. and bearing overall length	No. 1	2.75 x 1.034	2.5 x 0.87	2.63 x 0.94
		No. 2	2.75 x 1.034	2.5 x 0.87	2.63 x 0.94
		No. 3	2.75 x 1.254	2.5 x 1.15	2.63 x 1.22
		No. 4	2.75 x 1.034	2.5 x 0.87	2.63 x 0.94
		No. 5	---	2.5 x 1.56	2.63 x 0.94
		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, with cams and drive gear for distributor and oil pump cast integrally (a)			
Bearings	Material	Leade-base babbitt on steel			
	Number	4	5		
Type of Drive	Gear or chain		Chain		
	Crankshaft gear or sprocket material		Malleable cast iron or sintered iron (Super Oilite)		
	Camshaft gear or sprocket material		Cast iron		
	Timing chain	No. of links	50	68	50
		Width	.88	1.02	.88
Pitch		.50	.38	.50	

## ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		NA		Std.
Valve rotator, type (intake, exhaust)		Low-friction lock on exhaust		
Rocker ratio		1.5		
Operating tappet clearance (Indicate hot or cold)	Intake	.010 to .020 Hot	.013 to .015 Hot	Hydraulic
	Exhaust	.020 to .022 Hot	.021 to .023 Hot	Hydraulic
Timing marks on flywheel, damper, other		Stationary indicator on chain case cover		

(Continued)

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(a) Integrally cast fuel pump eccentric on SV1 and SP1.



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**MAKE OF CAR** PLYMOUTH VALIANT  
 PLYMOUTH **MODEL YEAR** 1962 **DATE ISSUED** 8-1-61 **REVISED** (●) 1-25-62  
**MODEL** Std. SV1 Power Pak SP1

## ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	8	
		Closes (°ABC)	44	
		Duration - deg.	232	
	Exhaust	Opens (°BBC)	48	
		Closes (°ATC)	TDC	
		Duration - deg.	228	
Valve opening overlap		8		
Intake	Material		SAE 1041	
	Overall length		4.774	
	Actual overall head dia.		1.620	
	Angle of seat & face		47° - 45°	
	Seat insert material		None	
	Stem diameter		.37	
	Stem to guide clearance		.001 - .003	
	Lift		.371	
	Outer spring press. and length	Valve closed (lb. @ in.)	83 @ 1.69 (a)	●
		Valve open (lb. @ in.)	177 @ 1.31 (a)	●
	Inner spring press. and length	Valve closed (lb. @ in.)	None	
		Valve open (lb. @ in.)	None	
	Exhaust	Material		21-4N
		Overall length		4.797
Actual overall head dia.		1.360		
Angle of seat & face		47° - 45°		
Seat insert material		None		
Stem diameter		.37		
Stem to guide clearance		.002 - .004		
Lift		.364		
Outer spring press. and length		Valve closed (lb. @ in.)	83 @ 1.69 (a)	●
		Valve open (lb. @ in.)	177 @ 1.31 (a)	●
Inner spring press. and length	Valve closed (lb. @ in.)	None		
	Valve open (lb. @ in.)	None		

## 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
	Timing gear or chain	Jet
	Cylinder walls	Metered jet spray

(Continued)

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(a) Later-built cars: Valve closed 53 @ 1.69, Valve opened 143.5 @ 1.31.

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PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH

MODEL YEAR 1962  
SP2

DATE ISSUED 8-1-61 REVISED (●) 1-25-62

<b>MODEL</b>	Std.	Super Fury	Golden Commando
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## ENGINE—VALVE SYSTEM (cont.)

<b>Timing</b>	Intake	Opens (°BTC)	19	13	22	
		Closes (°ABC)	45	55	66	
		Duration - deg.	244	248	268	
	Exhaust	Opens (°BBC)	57	51	62	
		Closes (°ATC)	1	17	26	
		Duration - deg.	240	248	268	
	Valve opening overlap		20	30	48	
<b>Intake</b>	Material		SAE 1041			
	Overall length		4.60		4.87	
	Actual overall head dia.		1.84		2.08	
	Angle of seat & face		45°			
	Seat insert material		None			
	Stem diameter		.373			
	Stem to guide clearance		.001 - .003			
	Lift		.380	.400	.444	
	Outer spring press. and length	Valve closed (lb. @ in.)	83 @ 1.69 (a)		100 @ 1.86 ●	
		Valve open (lb. @ in.)	177 @ 1.31 (a)		195 @ 1.47 ●	
	Inner spring press. and length	Valve closed (lb. @ in.)	None		Damper only	
		Valve open (lb. @ in.)	None			
	<b>Exhaust</b>	Material		21-4N		
		Overall length		4.54		4.87
Actual overall head dia.		1.56		Std. 1.60, Opt. 1.74		
Angle of seat & face		45°				
Seat insert material		None				
Stem diameter		.372				
Stem to guide clearance		.002 - .004				
Lift		.386	.406	.456		
Outer spring press. and length		Valve closed (lb. @ in.)	83 @ 1.69 (a)		100 @ 1.86 ●	
		Valve open (lb. @ in.)	177 @ 1.31 (a)		195 @ 1.47 ●	
Inner spring press. and length		Valve closed (lb. @ in.)	None		Damper only	
	Valve open (lb. @ in.)	None				

## ENGINE—LUBRICATION SYSTEM

<b>Type of lubrication (splash, pressure, nozzle)</b>	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

(Continued)

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(a) Later-built cars: Valve closed 53 @ 1.69, Valve opened 143.5 @ 1.31.

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PLYMOUTH VALIANT

<b>MAKE OF CAR</b> PLYMOUTH	<b>MODEL YEAR</b> 1962	<b>DATE ISSUED</b> 8-1-61	<b>REVISED</b> (●) 10-23-61
<b>MODEL</b>	SVI		
	Std.	Power Pak	SP1

## ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Rotary
Normal oil pressure (lb. @ engine rpm)	45 to 65 @ 2000 rpm
Oil pressure sending unit (elect. or mech.)	Electrical
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
Oil grade recommended (SAE viscosity and temperature range)	Above +32F . . . . . SAE 30, SAE 10W-30, or SAE 20W-40 As low as +10F . . . . . SAE 20W or SAE 10W-30 As low as -10F . . . . . SAE 10W, SAE 10W-30, or SAE 5W-20 Below -10F . . . . . SAE 5W or SAE 5W-20
Engine Service Requirement (MM, MS, etc.)	MS

## ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse-flow
Exhaust pipe dia. (O.D. wall thickness)	None
	1.75 x .060
Tail pipe diameter (O.D. & wall thickness)	1.88 x .060 ●
	1.75 x .048 ●

## ENGINE—FUEL SYSTEM

(See Supplement to Page 6 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.	Carburetor
Fuel Tank	Capacity (gals.) 14
	(a)
	Filler location Left rear fender (b) Behind rr. lic. plate (b)
Fuel Pump	Type (elec. or mech.) Mechanical
	Locations Right center Left front
	Pressure range 4 - 5.5 psi
Vacuum booster (std., optional, none)	None
Fuel Filter	Type Fuel tank - Plastic, Fuel line - Paper
	Locations Fuel tank and in-line between carburetor and fuel pump
Carburetor	Make & Model No. See Supplement to Page 6
	Number of carbs., bbls. per carb. & type See Supplement to Page 6
	Barrel size See Supplement to Page 6
	Choke type Separate (c)
	Intake manifold heat control (exhaust or water) Exhaust
	Air clnr. type Paper element, replaceable
	Standard Optional None

- (a) Sedans and Hardtops 20, Suburbans 21.5
- (b) Sedans and Hardtops behind rear license plate, Suburbans left rear above fender
- (c) Automatic

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MAKE OF CAR	PLYMOUTH	MODEL YEAR	1962	DATE: ISSUED	8-1-61	REVISED (●)	1-25-62
MODEL	Std.	Super Fury	Golden Commando				

## ENGINE—LUBRICATION SYSTEM (cont.)

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

## ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single, with Crossover	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse flow	Two, reverse flow
Exhaust pipe dia. (O.D. wall thickness)	Branch	None
	Main	2.25 x .060
Tail pipe diameter (O.D. & wall thickness)	1.88 x .048	

## ENGINE—FUEL SYSTEM

(See Supplement to Page 6 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.	Carburetor			
Fuel Tank	Capacity (gals.)	All except Suburbans - 20; Suburbans - 21.5		
	Filler location	Behind rear license plate (a)		
Fuel Pump	Type (elec. or mech.)	Mechanical		
	Locations	Left front		
	Pressure range	6 - 7.5 psi	4 - 5.5 psi	
Vacuum booster (std., optional, none)	None			
Fuel Filter	Type	Fuel tank - plastic, Fuel line - paper		
	Locations	Fuel tank and in-line between carburetor and fuel pump		
Carburetor	Make & Model No.	See Supplement to Page 6		
	Number of carbs., bbls. per carb. & type	See Supplement to Page 6		
	Barrel size	See Supplement to Page 6		
	Choke type	Separate, automatic		
	Intake manifold heat control (exhaust or water)	Exhaust		
	Air clnr. type	Standard	Paper element, replaceable	
		Optional	None	

(a) Suburbans - Left rear above fender.

# AMA Specifications -- Passenger Car

Supplement to Page 6

PLYMOUTH VALIANT  
 MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE ISSUED 8-1-61 REVISED \_\_\_\_\_

## SUPPLEMENTARY INFORMATION

**MODEL**

Car and Model		Eng. Disp.	Transmission	Carburetors		No. Used and Type	Barrel Size	
				Make	Model			
Valiant	SV1	Std. 170	Manual	(a) Ball and Ball	BBS-3229 S	1, 1-bbl	1-9/16	
				(a) Holley	R-2136 A		1-11/16	
			Automatic	(a) Ball and Ball	BBS-3230 S			
		(a) Holley		R-2416 A				
		All	(b) Ball and Ball	BBS-3234 S	1-9/16			
		Opt. 225	Manual	(a) Ball and Ball	BBS-3237 S		1-11/16	
	(a) Holley			R-2303 A				
	Automatic		(a) Ball and Ball	BBS-3238 S				
			(a) Holley	R-2417 A				
	All	(b) Ball and Ball	BBS-3239 S					
Plymouth Six	SP1	Std. 225	Manual	(a) Ball and Ball	BBS-3231 S	1, 1-bbl	1-11/16	
				(a) Holley	R-2418 A			
			Automatic	(a) Ball and Ball	BBS-3232 S			
				(a) Holley	R-2419 A			
			All	(b) Ball and Ball	BBS-3235 S			
			Plymouth V-8	SP2	Std. 318			Manual
(a) Bendix	WW3-198							
Automatic	(a) Ball and Ball	BBD-3241 S						
	(a) Bendix	WW3-199						
All	(b) Bendix	WW3-200						
Opt. 318	Automatic	Carter			AFB-3247 S	1, 4-bbl		
		(b) Carter		AFB-3249 S				
	Manual	Carter		AFB-3252 S				
		Automatic		Carter	AFB-3253 S			
Opt. 361	All	(b) Carter		AFB-3257 S				

- (a) Optional carburetors for the transmissions indicated.
- (b) Carburetors used whenever car is equipped with Closed Crankcase Ventilating system,

# AMA Specifications – Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE ISSUED 8-1-61 REVISED (●) 11-27-6

MODEL	SV1	SP1	SP2	
	Std.		Power Pak	Std.

## ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure-Vent				
Radiator cap relief valve pressure		14; 16 with air conditioning				
Circulation thermostat	Type (choke, bypass)	Choke, pellet				
	Starts to open at (°F)	177 to 182 ●				
Water pump	Type (centrifugal, other)	Centrifugal				
	Number of pumps	One				
	Drive (V-belt, other)	V-Belt				
	Bearing type	Ball, permanently sealed				
By-pass recirculation type (internal, external)		External, permanent		(a)		
Radiator core type (cellular, tube and fin, other)		Tube and spacer				
Cooling system capacity	With heater (qt.)	12	13	21	17	
	Without heater (qt.)	11	12	20	16	
	Opt. equipment-specify (qt.)	None				
Water jackets full length of cylinder (yes, no)		No		Yes	No	
Water all around cylinder (yes, no)		Yes				
Radiator hose	Lower	Number and type (molded, straight)	One, molded			
		Inside diameter	1.5		(b)	
	Upper	Number and type (molded, straight)	One, molded			
		Inside diameter	1.5			
	By-pass	Number and type (molded, straight)	One, straight	One, molded	None	
		Inside diameter	0.68	0.80	---	
	Fan	Number of blades & Spacing		Four, 76° - 104°; with A/C, seven, 60-45-59-97-54-50-45		
		Diameter		16; 18 with A/C		18
Ratio-fan to crankshaft rev.		1.07	.95; 1.19 with A/C	.95 (c)		
Fan cutout type		None				
Bearing type		See Water Pump				
*Drive belts (indicate belt used by letter)	Fan		See Supplement to Page 7			
	Generator		See Supplement to Page 7			
	Water Pump		See Supplement to Page 7			
	Power Steering		See Supplement to Page 7			
	Air Conditioning		See Supplement to Page 7			

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* Drive Belt Dimensions	See Supplement to Page 7
Angle of V	See Supplement to Page 7
Nominal length (SAE)	See Supplement to Page 7
Width	See Supplement to Page 7

(a) Internal permanent. (b) Radiator end 1.5, Water pump end 1.75. (c) 1.29 with A/C.

# AMA Specifications -- Passenger Car

Supplement to Page 7

PLYMOUTH VALIANT  
 MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE ISSUED 8-1-61 REVISED \_\_\_\_\_

## SUPPLEMENTARY INFORMATION

### MODEL

### DRIVE BELTS

#### LEGEND - PULLEY LOCATIONS:

- |                          |                                 |
|--------------------------|---------------------------------|
| CS - Crankshaft Drive    | AC - Air Conditioner Compressor |
| FWP - Fan and Water Pump | PS - Power Steering Pump        |
| A - Alternator           | I - Idler                       |

#### APPLICATIONS

	VALIANT					PLYMOUTH SIX			PLYMOUTH V-8				
	170 cu in.			225 cu in.	225 cu in.	318 cu in.			361 cu in.				
	Std.	With PS	AC w/o PS	AC w/PS	w/wo PS	Std.	With PS	AC w/wo PS	Std.	With PS	AC w/wo PS	w/wo PS	AC w/PS
CS-FWP-A	A	A	A		F	F	F	F	I	I	I	L	
CS-PS		B			G		G	H		J	J	M	M
CS-PS (Opt.)										K	K		
CS-I-AC			C	C			C				C		
CS-FWP-PS				D									
AC-A				E									
CS-I-FWP													N
CS-AC-A													2P

#### DIMENSIONS

	A	B	C	D	E	F	G	H
Angle of "V"	36°							
Nominal Length, SAE	55.00	37.25	53.00	44.00	52.50	57.75	36.50	38.38
Width	.38		.50	.47	.38			

	I	J	K	L	M	N	P
Angle of "V"	36°						
Nominal Length, SAE	48.50	38.75	40.00	46.25	40.75	34.25	66.35
Width	.38	.50		.38	.50	.38	.47

# AMA Specifications - Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR	PLYMOUTH	MODEL YEAR	1962	DATE ISSUED	8-1-61	REVISED (●)	1-25-62
MODEL		SV1	SPI	SP2			
		170 cu in.	225 cu in.	225 cu in.	318 cu in.	361 cu in.	

## ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Various				
	Voltage Rtg. & Total Plates		12, 42	12, 54		12, 66	
	SAE Designation & Amp Hr. Rtg		38 amp-hr.	9HC3, 48 amp-hr.		9HC3-A, 59 amp-hr.	
	Location		Left front of engine compartment				
Alternator	Terminal grounded		Negative				
	Make		Chrysler				
	Model		2098275	2098265			
	Type		3-phase, full-wave rectifier				
	Ratio—Gen. to Cr/s rev.		2.45 to 1				
	<del>XXX</del> cut-in (hot)—engine rpm		390	350			
Regulator	Make		Chrysler				
	Model		2098300				
	Type		Voltage only				
	Cutout relay	Closing voltage @ generator rpm	---				
		Reverse current to open	---				
	Regulated	Voltage	13.7 to 14.3 @ 75°				
		Current	---				
	Voltage test conditions	Temperature	75°				
Load		15-amp					
Other		Run 15 min with electrical load					

## ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Chrysler				
	Model		2095150				
	Rotation (drive end view)		Clockwise				
	Engine cranking speed		Cold - 35 rpm; Hot - 130 rpm		Cold - 35 rpm; Hot - 120 rpm		
	Test conditions		Cold - SAE 5W at -20F Hot - SAE 30 with completely warmed engine				
	Lock test	Amps	475				
		Volts	4				
		Torque (lb. ft.)	24.0				
	No load test	Amps	85				
		Volts	11				
RPM (min.)		1950					
Motor control	Switch (solenoid, manual)		Solenoid				
	Starting procedure		With transmission in neutral position, depress accelerator pedal one-third, turn ignition key beyond ignition on position.				



# AMA Specifications – Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH

MODEL YEAR 1962

DATE ISSUED 8-1-61

REVISED (●) 1-25-62

<b>MODEL</b>	SV1	SP1	SP2			Golden Commando
	Std.		Power Pak	Std.	Auto.	

## ELECTRICAL—STARTING SYSTEM (cont.)

<b>Motor Drive</b>	Engagement type		Solenoid, with reduction gear			
	Pinion meshes (front, rear)		Front			
	Number of teeth	Pinion	10			(c)
		Flywheel	122			(c)
Flywheel tooth face width		.340				

## ELECTRICAL—IGNITION SYSTEM

<b>Coil</b>	Make		Autolite or Essex, with Chrysler Ballast resistor					
	Model		200567 or 62-160-2					
	Amps	Engine stopped	3.0					
Engine idling		1.9						
<b>Distributor</b>	Make		Chrysler			Autolite		
	Model		2095974	2095976	2095983	2095979	2095981	2095832
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	See Supplement to Page 9					
		Intermediate points deg. @ rpm	See Supplement to Page 9					
		Max deg. @ rpm	See Supplement to Page 9					
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	See Supplement to Page 9					
		Intermediate points, deg @ in Hg	See Supplement to Page 9					
		Max. deg. in. Hg.	See Supplement to Page 9					
	Breaker gap (in.)		.017 - .023		.014 - .019			
	Cam angle (deg.)		40 - 45		27 - 32		34 - 40 (a)	
Breaker arm tension (oz.)		17 - 21.5						
<b>Timing</b>	Crankshaft deg. @ rpm. (d)		2.5 ATC @ 500		(b)	10 BTC @ 500		
	Mark location		Stationary indicator on chain case cover					
	Cylinder numbering system (see page 2)		Front to rear		Left bank: 1 - 3 - 5 - 7		Right bank: 2 - 4 - 6 - 8	
Firing order (see page 2)		1 - 5 - 3 - 6 - 2 - 4		1 - 8 - 4 - 3 - 6 - 5 - 7 - 2				
<b>Spark Plug</b>	Make and model		Autolite AG52, Champion N12Y		Autolite A42, Champion J12Y		Champion J9Y	
	Thread (mm)		14-mm					
	Tightening torque (lb. ft.)		30 to 32					
	Gap		.035					
<b>Cable</b>	Conductor type		Resistor					
	Insulation type		Synthetic rubber with neoprene jacket					
	Spark plug protector		Hypalon			Silicone		

## ELECTRICAL—SUPPRESSION

<b>Locations &amp; type</b>	Resistance-type spark plug and coil leads
-----------------------------	---

- (a) For both sets points; each set 27-32.
- (b) 5<sup>0</sup> BTC @ 500.
- (c) With manual transmission: pinion - 9, ring gear 172  
With automatic transmission: pinion - 10, ring gear 130
- (d) Tolerance at ± 5<sup>0</sup> allowed for fuel, altitude, and car condition.

# AMA Specifications -- Passenger Car

Supplement to Page 9

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE ISSUED 8-1-61 REVISED (●) 1-25-62

## SUPPLEMENTARY INFORMATION

**MODEL**

**DISTRIBUTOR**

CENTRIFUGAL ADVANCE - Crankshaft degrees @ engine rpm

	2095974	2095976	2095979
Start	0 @ 650 to 950	0 @ 650 to 950	0 @ 660 to 1140
Intermediate	0 to 5 @ 950 16 to 20 @ 1850	0 to 4 @ 950 14 to 18 @ 2000	0 to 4 @ 1140 4 to 8 @ 1600
Maximum	25 to 29 @ 4400	21 to 25 @ 4600	16 to 20 @ 4600

	2095981	2095983	2095832
Start	0 @ 550 to 850	0 @ 540 to 860	0 @ 550 to 850
Intermediate	0 to 5 @ 850 7 to 11 @ 1250	0 to 4 @ 860 9 to 13 @ 1600	0 to 6 @ 850 14 to 18 @ 1550
Maximum	15 to 19 @ 4400	21 to 25 @ 4600	22 to 26 @ 4100

VACUUM ADVANCE - Crankshaft degrees @ inches of Mercury

	2095974	2095976	2095979
Start	0 @ 5.0 to 7.1	0 @ 4.9 to 7.1	0 @ 8 to 10
Intermediate	10 to 16 @ 9.5	6 to 10 @ 21	10 to 16 @ 13
Maximum	19 to 25 @ 12.5	10.5 to 15 @ 13	24 to 30 @ 18

	2095981	2095983	2095832
Start	0 @ 4.5 to 6.2	0 @ 8 to 10	0 @ 7.5 to 9.2
Intermediate	8 to 14 @ 9.5	10 to 16 @ 13	9 to 15 @ 12
Maximum	17 to 23 @ 13.2	23 @ 14.7, 17 @ 15.5	19 to 25 @ 16

# AMA Specifications – Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR	PLYMOUTH	MODEL YEAR	1962	DATE: ISSUED	8-1-61	REVISED	
MODEL	SV1				SP1 & SP2		

## ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	Stewart Warner	King Seeley
	Trip odometer (yes, no)	No	
Charge indicator—type		Ammeter	
Temperature indicator—type		Electric - Thermal	
Oil pressure indicator—type		Indicator light	
Fuel indicator—type		Electric - Thermal	
Other		None	
Ignition switch	Identify positions in order and circuits controlled	Center position - Off 1st position clockwise - Ignition and accessory circuit only 2nd position clockwise - Starter and ignition circuit only 1st position counterclockwise - Accessory circuit only	
	Provision for illumination	Stray light	None
	Location	Right of steering column	
Main lighting switch	Identify positions and lamps controlled	Full in - Off 1st position out - Instrument, tail, parking, and license plate lamps Full out - Instrument, tail, head, and license plate lamps	
	Locations and lamps controlled	Instrument lamps: Variable rheostat, concentric with head lamp switch. Oil pressure switch: Engine. Dome lamp: Integral with head lamp switch. Automatic door switch: Both front doors. Stop lamp switch: Brake pedal. Directional signal switch: Lever on steering column below wheel.	
Other switches	Locations and devices controlled	Windshield wiper switch - One-speed, left of steering column (variable speed special equipment) Heater Control - Two-speed by push buttons right of steering column Defroster Control - Push button right of steering column Air Vent - Push button right of steering column	
Windshield wiper	Make	General Industries or Electric Autolite (motor only)	
	Type	Electric	
	Vacuum booster provision	None	
	Washer provision	Yes, Opt.	
Horn	Type	Sea Shell	
	Number used	V-100: 1, V-200: 2	2
	Amp draw (each)	(a)	

- (a) Sparton Automotive - 6 to 8 amp
- Electric Autolite - 8 to 10 amp



# AMA Specifications – Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR	PLYMOUTH	MODEL YEAR	1962	DATE ISSUED	8-1-61	REVISED		
			SV1		SP1 & SP2			
MODEL	Exc. Sub.	Suburban		Exc. Sub.	Suburban			
				SP1	SP2	SP1	SP2	

## ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

Use trade number of fuse, e.g., SFE-10. Indicate circuit breaker by ampere capacity suffixed by letters "C.B.", e.g., 30 C.B. Where fuse or circuit breaker protects multiple circuits indicate first use by a letter and repeat the same letter for all units protected by the same fuse or circuit breaker, e.g., Parking lights SFE-10 (a), Direction indicator same as (a).

Headlamp	22.5 CB (A)
Headlamp beam indicator	Same as (A)
Parking light	SFE 9 (B)
Tail light	Same as (B)
Stop light	SFE 9 (C)
Direction indicator	Protected by flasher
License plate light	Same as (B)
Instrument light	AGA 2 (D)
Ignition light	None
Back up light	SFE 6
Dome light	Same as (C)
Clock	AGA 2
Clock light	Same as (D)
Radio	SFE 7.5
Glove compartment light	Same as (C)
Tail Gate Lift	30 CB
Windshield Wiper	Single-speed 5 CB; Variable-speed 6 CB
Heater	SFE 20
Cigar Lighter	SFE 14
Parking Brake Lamp	AGA 2
Rear Defroster	AGA 10
Spot Light	SFE 9

## ELECTRICAL—LOCATION OF OUTSIDE LAMPS

	Tail	Lowest	22.2	20.8	21.9	22.2	21.5	21.4	
		Highest	---						
Height above ground to center of bulb	Stop		22.2	20.8	21.9	22.2	21.5	21.4	
	Backup		14.0	12.7	21.8	22.0	13.2	13.1	
	License, rear		17.0	15.6	26.5	26.8	13.0	12.9	
	Directional	Front		14.1	14.9	13.9	14.3	14.9	14.8
		Rear		22.2	20.8	21.9	22.2	21.5	21.4
	Headlamp	Inside		23.9	24.7	23.7	24.1	24.7	24.6
		Outside*		23.9	24.7	24.2	24.6	25.2	25.1
	Distance from C/L of car to center of bulb	Tail	Inside	---					
Outside				26.2		29.9		30.1	
Stop			26.2		29.9		30.1		
Backup			10.3		22.9		8.1		
License, rear			On centerline						9.4
Directional		Front		23.1			25.4		
		Rear		26.2		29.9		30.1	
Headlamp		Inside		22.2			16.5		
	Outside*		28.4			30.0			

\* If single headlamps are used enter here.

# AMA Specifications – Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE ISSUED 8-1-61 REVISED (a) 1-25-62

<b>MODEL</b>	SV1		SP1	SP2		
	Std.	Power Pak		Std.	Super Fury	Golden Commando

## DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	Borg & Beck, or Auburn, dry plate		Borg&Beck dry plate(b)	---	Borg & Beck, dry plate (b)		
Type pressure plate springs	Coil		---	---	Coil		
Effective plate pressure (lb.)	1158 (c)	1445 (d)	1640	---	1790		
No. of clutch driven discs	One		---	---	One		
Clutch facing	Material		Woven asbestos		---	Woven asbestos	
	Outside & inside dia.		9.12x6.12	9.25 x 6.0	10 x 6.75	---	10.5 x 6.5
	Total eff. area (sq.in.)		71.8	77.8	85.5	---	106.8
	Thickness		.125 (e)		.125	---	.125
	Engagement cushioning method		Flat wave springs		---	---	Flat wave springs
Release bearing	Type & method of lubrication		Ball bearings, permanently lubricated		---	Ball bearings, permanently lubricated	
Torsional damping	Methods; springs, friction material		Coil springs and friction washers		---	Coil springs and friction washers	

## DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	Std.	NA	Std.
Manual with overdrive (std. or opt.)	NA		
Automatic (std. or opt.)	Opt.	Std.	Opt.

## DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds	Three		---	Three	
Transmission ratios	In first		2.95	2.55	
	In second		1.83	1.49	
	In third		1.00		
	In fourth		---		
	In reverse		3.80	3.34	
Synchronous meshing, specify gears	2nd & 3rd		---	2nd & 3rd	
Shift lever location	Steering column		---	Steering column	
Lubricant	Capacity (pt.)		5	4.5	
	Type recommended		(a)		
	SAE viscosity number	Summer		(a)	
		Winter		(a)	
		Extreme cold		(a)	

(a) Automatic Transmission Fluid, Type "A", Suffix "A".

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(b) Semi-centrifugal      (c) Auburn - 1115      (d) Auburn - 1375      (e) Auburn - 0.114

# AMA Specifications – Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH

MODEL YEAR 1962

DATE ISSUED 8-1-61

REVISED (●) 1-25-62

	SV1	SP1	SP2			
MODEL	170 cu in.	225 cu in.	225 cu in.	318 cu in.	318 cu in.	361 cu in.
				(a)	(b)	

## DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		Not Applicable				
	Manual lockout (yes, no)		" "				
	Downshift accelerator control (yes, no)		" "				
	Minimum cut-in speed		" "				
	Gear ratio		" "				
	Lu- bri- cant	Capacity (pt.) (Overdrive only)		" "			
		Separate filler (yes, no)		" "			
		Type recommended		" "			
		SAE vis- cosity number	Summer	" "			
			Winter	" "			
Ext. cold		" "					

## DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	TorqueFlite Six	TorqueFlite (8)	
Type describe	Torque converter with gears		
Method of Selection (Lever, Push Button or other)	Push button		
Selector Pattern	Aligned vertically at left side of instrument cluster, left of steering wheel		
List gear ratios Selector Pattern and indicate which are used in each selector position	R	Reverse . . . . 2.20	
	N	Neutral	
	D	Drive . . . . 2.45 - 1.45 - 1.00	
	2	Second . . . . 2.45 - 1.45	
	1	First . . . . 2.45	
Max. upshift speeds—drive range	35	40      35      45	
Max. kickdown speeds—drive range	55	60      70      60      65	
Torque converter	Number of elements		Three
	Max. ratio at stall		2.2
	Type of cooling (air, water)		Water
Lubricant	Capacity—refill (pt.)		14                      18
	Type recommended		Automatic Transmission Fluid, Type "A", Suffix "A"
Special transmission features	Parking pawl; manually-operated lever		

- (a) Super Fury.
- (b) Golden Commando.

# AMA Specifications – Passenger Car

## PLYMOUTH VALIANT

MAKE OF CAR	PLYMOUTH	MODEL YEAR	1962	DATE: ISSUED	8-1-61	REVISED (a)	
		SVI					
MODEL		Std.	Power Pak		SP1		SP2

### DRIVE UNITS—PROPELLER SHAFT

Number used		One					
Type (exposed, torque tube)		Exposed					
Outer diameter x length* x wall thickness	Manual transmission	2.75 x 53.40 x .065	3.00x53.40x.065	3.00 x 55.76 x .065			
	Overdrive transmission	---					
	Automatic transmission	2.75 x 53.40 x .065	3.00 x 53.40x.065	2.75 x 53.64 x .065			
Inter-mediate bearing	Type (plain, anti-friction)	None					
	Lubrication (fitting, prepack)	---					
Universal joints	Make	Own					
	Number used	Two					
	Type (ball and trunnion, cross, other)	Front: Ball and trunnion		Rear: 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 - (incl. limited slip differential)		Semi-floating, hypoid						
Drive Pinion Offset		1.625		1.5				
No. of differential pinions		Two						
Gear ratio and No. of teeth	Manual transmission	See Supplement to Page 15						
	Overdrive transmission	---						
	Automatic transmission	See Supplement to Page 15						
Ring gear pitch diameter & O.D.		7.25		8.25		8.75		
Pinion adjustment (shim, other)		Solid shim (washer)						
Pinion bearing adj. (shim, other)		Solid shim (washer)			Shim pack			
Wheel bearing type		Tapered roller bearing						
Lubricant	Capacity (pt.)	2		3.5		4.0		
	Type recommended	Multipurpose gear lubricant API Service GL-4						
	SAE viscosity number	Summer	Above -10F - SAE 90					
		Winter	Above -30F - SAE 80					
	Extreme cold	Below -30F - SAE 75						

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

(a) For axle ratio of 3.91 to 1.



# AMA Specifications -- Passenger Car

Supplement to Page 15

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE ISSUED 8-4-61 REVISED (●) 1-25-62

## SUPPLEMENTARY INFORMATION

**MODEL**

**REAR AXLE GEAR RATIOS**

		SV1		SP1		SP2		
		Std.	Power Pak	All Exc. Subr.	Subr. Only	Std.	Super Fury	Golden Commando
Manual 3-Speed Transmission	Std.	3.23	3.23	3.31	3.23		None	3.23
	Opt.	3.55 3.91	3.55 3.91	3.55		None		3.55
TorqueFlite 6 Transmission	Std.	3.23	2.93	2.93	3.23	---		
	Opt.	3.55	3.23 3.55	3.31 3.55	3.55	---		
TorqueFlite (8) Transmission	Std.	---				2.76	3.23	
	Opt.	---				3.23	2.76	

**REAR AXLE GEAR RATIO TOOTH COMBINATIONS**

		2.76	3.23	3.31	3.55
Number Teeth	Pinion	17	13	13	11
	Gear	47	42	43	39

# AMA Specifications – Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH

MODEL YEAR 1962

DATE ISSUED 8-1-61

REVISED (•) 1-25-62

MODEL	SV1	SP1		SP2		Golden Commando
		Exc. Sub.	Sub.	Exc. Sub.	Sub.	

### DRIVE UNITS—WHEELS

Type & material		Disc, steel				
Rim (size and flange type)		13 x 4.5J	14 x 5 K	14 x 5.5K	14 x 5 K	14 x 5.5 K
Attachment		Stud				
Type (bolt or stud)						
Circle diameter		4				4.5
Number and size		Five (a)	Five, 1/2 - 20NF			

### DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	6.50 x 13, 2   6.50 x 14, 4 (d)			7.00 x 14, 4	
	Type - Nylon, etc.	Rayon				
Rev/mile at 30 mph.		847	827	803		
Inflation press.(cold)	Front	24				
	Rear	24	26	24	26	24

### BRAKES—SERVICE

Type (duo-servo, balanced, self adjusting, etc.)		Duo-servo		Duo-servo, self-adjusting			
Power brake make & type (remote, integral, etc.)		Pedal assist, vacuum-operated					
Effective area (sq. in.)*		153.5	195.2		Std. 195.2; Opt. 234.1		
Gross lining area (sq. in.)**		153.5	195.2		Std. 195.2; Opt. 234.1		
Swept drum area (sq. in.)***		254.5	314.2		Std. 314.2; Opt. 380.1		
Percent brake effectiveness—front		60					
Drum	Diameter	Front	9	10		Std. 10; Opt. 11	
		Rear	9	10		Std. 10; Opt. 11	
Type and material		Cast iron - Centrifuse or cast composite					
Bonded or riveted		Bonded					
Brake lining	Front Shoe	Material		Molded asbestos			
		Size (length x width x thickness)	Front wheel	7.66 x 2.25 x 0.19		8.46 x 2.5 x 0.19	Std. 8.46 x 2.5 x 0.19 Opt. 9.31 x 3.0 x 0.21
			Rear wheel	7.66 x 2.0 x 0.19		8.46 x 2.5 x 0.19	Std. 8.46 x 2.5 x 0.19 Opt. 9.31 x 2.5 x 0.21
	Segments per shoe		One				
	Rear Shoe	Material		Molded asbestos			
		Size (length x width x thickness)	Front wheel	9.8 x 2.5 x 0.19		11.06 x 2.5 x 0.19	Std. 11.06 x 2.5 x 0.19 Opt. 11.97 x 3.0 x 0.21
Rear wheel			9.8 x 2.0 x 0.19		11.06 x 2.5 x 0.19	Std. 11.06 x 2.5 x 0.19 Opt. 11.97 x 2.5 x 0.21	
Segments per shoe		One					
Wheel cylinder bore	Front	1.00					
	Rear	.8125					
Master cylinder bore		1.00					
Available pedal travel		6.2 (b)	Mech. Brakes - 7.1; Power - 4.8				
Line pressure at 100 lb. pedal load		930 (c)	Mech. Brakes - 860 psi; Power - 1260 psi				
Shoe clearance adjustment		No major adjustment required					

\* Excludes rivet holes, grooves, chamfers, etc.  
 \*\* Includes rivet holes, grooves, chamfers, etc.  
 \*\*\* Total swept areas for four brakes:  
 Widest lining contact width for each brake x its drum circumference.

- (a) 7/16 - 20 NF
- (b) Power - 4.6
- (c) Power - 1080 psi
- (d) Later-built cars - 7.00 x 14, 2 ply

# AMA Specifications—Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE ISSUED 8-1-61 REVISED \_\_\_\_\_

MODEL \_\_\_\_\_ All Models

## BRAKES—PARKING

Type of control		Foot-operated lever, 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 or UNITIZED CONSTRUCTION

Type and description	Unit construction
----------------------	-------------------

## SUSPENSION—GENERAL (See Supplemental page 17 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	Type	Direct
	Make	Own
	Piston dia.	1.00
Other special features		---

## SUSPENSION—FRONT

Type and description	Independent, lateral, non-parallel control arms with torsion bars
----------------------	---

(Continued) Rev. Form 3-59

\* Air Suspension:  
 Air spring type  
 Compressor data  
   type  
   make  
   drive ratio  
 Normal operating pressures  
   spring rates  
   levelling data

# AMA Specifications – Passenger Cars

PLYMOUTH VALIANT

<b>MAKE OF CAR</b>	PLYMOUTH	<b>MODEL YEAR</b>	1962	<b>DATE ISSUED</b>	8-1-61	<b>REVISED</b> (●) 11-27-61
<b>MODEL</b>		SV1		SP1		SP2
		Exc. Sub.	Sub.	Exc. Sub.	Sub.	Exc. Sub.

## SUSPENSION FRONT (cont.)

<b>Spring</b>	Type	Torsion bar				
	Material	Chromium alloy steel				
	Size (coil design height & I.D.; bar length x dia.)	35.8 x 0.83	41.0 x 0.86	41.0 x 0.88		
	Spring rate (lb. per in.)	NA				
	Rate at wheel (lb. per in.)	100		110		
	Design load (lb. @ design height)	NA				
<b>Stabilizer</b>	Type (link, linkless, frameless)	None				
	Material & bar diameter	---				

## STEERING

Mechanical (std., opt., NA)	Std.				
Power (std., opt., NA)	Opt.				
Wheel diameter	16.0 x 16.4 Oval	16.0 x 17.0 Oval			
<b>Turning diameter</b>	Outside front	Wall to wall (l. & r.)	39.7	43.8	●
		Curb to curb (l. & r.)	36.9	40.5	●
	Inside rear	Wall to wall (l. & r.)	21.6	23.9	
		Curb to curb (l. & r.)	22.3	25.0	●
Outside wheel angle with inside wheel at 20°	17.6°	18.0°			

<b>Mechanical</b>	Gear	Type	Worm and ball nut				
		Make	Own				
		Ratios	Gear	24.0 to 1			
			Overall	28.7 to 1			
No. wheel turns		5.3					
<b>Power</b>	Type (coaxial, linkage, etc.)		Integral				
	Make		Own				
	Trade name		Constant-Control				
	Gear	Type	Rack and sector				
		Ratios	Gear	15.7			
			Overall	18.8			
	Pump driven by		Belt from crankshaft pulley				
	Number wheel turns		3.5				
<b>Linkage</b>	Type		Trailing, parallel idler arms with 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				

(Continued)

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# AMA Specifications – Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH

MODEL YEAR 1962

DATE: ISSUED 8-1-61

REVISED (●) 1-25-62

	SV1	SPI	SP2			
MODEL	Exc. Sub.	Sub.	Exc. Sub.	Sub.	Exc. Sub.	Sub.

## STEERING (cont)

Steering Axis	Inclination at camber (deg.)		7.5° @ 0° Camber			
	Bearings (type)	Upper	Ball joint			
		Lower	Ball joint			
		Thrust	Oil impregnated sintered metal			
Wheel alignment (range and preferred)	Caster (deg.)		Manual Steering: -0.5° ± 0.5° Power Steering: +0.75° ± 0.5° (a)			
	Camber (deg.)		Left: +0.5° ± 0.25°, Preferred +0.5° Right: +0.25° ± 0.25°, Preferred +0.25°			
	Toe-in (outside tread-inches)		3/32" to 5/32", 1/8" Preferred			
Steering spindle & joint type			Ball socket			
Wheel spindle	Diameter	Inner bearing	1.062	1.249		
		Outer bearing	0.687	0.749		
	Thread size		11/16 - 24 NEF	3/4 - 16 UNF		
	Bearing type		Tapered Roller			

## SUSPENSION—REAR

Type and description		Parallel, longitudinal leaf						
Drive and torq. taken through (see page 15)		Rear springs						
Spring	Type	Semi-elliptical						
	Material	Steel						
	Size (length x width, coil design height and I.D.; bar length & dia.)	55 x 2.5						
	Spring rate (lb. per in.)	85	110	90	115	90	115	●
	Rate at wheel (lb. per in.)	120	140	125	150	125	150	●
	Design load (lb. at design height)	(b)						
	Mounting insulation type	Rubber						
	If leaf	No. of leaves		4	5	6	5	6
Inserts		Type and size	4, 3.5	5, 3.5	7, 3.5	5, 3.5	7, 3.5	
		Material	Plastic   Front - Plastic, Rear - Wax impregnated fabric					
Stabilizer	Shackle (comp. or tens.)		Compression					
	Type (link, linkless, frameless)		None					
Material		---						
Track bar type		None						

(a) Maximum differential 0.75°; driver's side less positive.

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(b) Design Load - Left Side  
- Right Side

	530	720	620*	880	620**	920	
	500	680	620*	840	620**	880	

\* 2-Door Sedans and 2-Door Hardtops - 590

\*\* Convertible Coupes and 4-Door Hardtops - 650

PLYMOUTH VALIANT

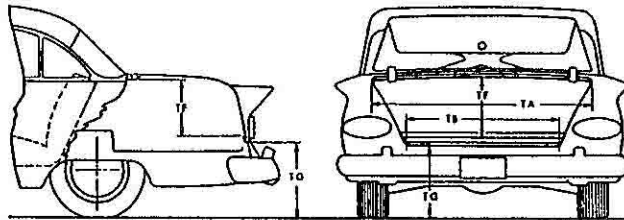
MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE ISSUED 8-4-61 REVISED \_\_\_\_\_

## BODY—GENERAL DEFINITIONS

**NOTE:** Included in the dimension definitions listed on this and the following pages are those which have been adopted by S.A.E. These are indicated by a number following the type of dimension, e.g. L 3. Additional dimensions have been added by the AMA Specifications Body Subcommittee for inclusion in the Questionnaire. These are shown by an additional letter, e.g., HA. Symbol "a" added as suffix to SAE dimensions indicates an AMA modification. The dimensions are developed from the following basic points:

1. Body Dimensions are for all basic body models as indicated.
2. All interior dimensions are taken 15" outboard of car centerline (C/L) unless otherwise stated.
3. Front and rear seat free "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
4. Depressed "A" point is the lowest point on the seat cushion depressed contour.
5. Front seat is in full down and normal rear position.
6. Unless otherwise specified all exterior height dimensions are taken with a full design load which consists of 5 passengers, 300 lbs. front, 450 lbs. rear; includes spare wheel, tire and tools, and full complement of gas, oil, water and tires to recommended pressure, etc.
7. DLO (Daylight opening - pages 22 & 24).
8. For further clarification of definitions see SAE Aeronautical—Automotive Drawing Standards, Section E-1.

## BODY—TRUNK DIMENSIONS



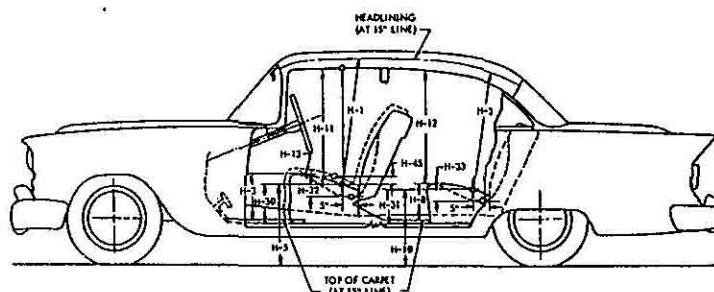
MODEL	SV1	SP1 & SP2		
		Sd & 4-D HT	2-D HT	Conv. Coupe
Usable trunk luggage capacity (See Section E-1 of SAE Automotive Drawing Standards)	13.5	15.8		NA
Total trunk volume in cu. ft. with spare tire in place	24.9	27.2		24.2
TA—Width across the top	47.3	53.0		53.4
TB—Width across the bottom	37.3	53.8		
TF—Vertical dimension at C/L from bottom to top of opening	13.7	10.0		9.8
TG—Vertical height from ground to trunk lower opening (normal surface of outside sheet metal—loaded)	22.9	SP1 - 25.6; SP2 - 25.8		
Position of spare tire stowage	Horizontal - in floor well	Horizontal, right side of kick-up		
Method of holding lid open	Torsion Bar			

# AMA Specifications – Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE ISSUED 8-9-61 REVISED \_\_\_\_\_

## BODY—HEIGHT DIMENSIONS—INTERIOR



MODEL	SV1			SP1		
	Sedans	Sub.	Signet 200	Sedans	2-Dr. H.T.	Sub.
H1. Front headroom. Free "A" pt. to headlining at 8° back of vertical. (For "A" pt. see note 3, page 20)	33.6		34.3	33.6	33.9	
H2. Rear headroom. Free "A" pt. to headlining at 8° back of vertical	33.1	33.2	33.1	33.5	33.8	34.6
H3. Front cushion height above floor carpet at front edge of cushion. (Ignore risers)	11.2		10.7	11.4		
H5. Free "A" pt. to ground, front. Measured vertically	19.0	18.8	18.3	19.4		19.5
H8. Rear cushion height above floor carpet at front edge of cushion. (Ignore risers)	13.7			12.7		
H10. Free "A" point to ground rear. Measured vertically	19.0	18.7	19.0	18.8		18.5
H11. Entrance, front. Free "A" point to bottom of windcord, vertical	30.2		30.9	29.8		
H12. Entrance, rear. Top of cushion to bottom of windcord at front edge of rear seat	27.5		-	28.4 (a)	-	28.4
H13. Steering wheel clearance to seat cushion taken on arc (wheel turned for min. clearance)	6.0		6.9	5.4		
H30. Free "A" point reference height, front. Vertical dimension to SAE horizontal reference line	9.5		8.8	9.7		
H31. Free "A" point reference height, rear. Vertical dimension to SAE horizontal reference line	12.2	12.4	12.2	11.8		
H32. Front seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point	4.3		3.6	4.5		
H33. Rear seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point				4.3		
H45. Front seat maximum vertical rise at free "A" point				1.2		

(a) 4-Door models only.

# AMA Specifications – Passenger Car

PLYMOUTH VALIANT

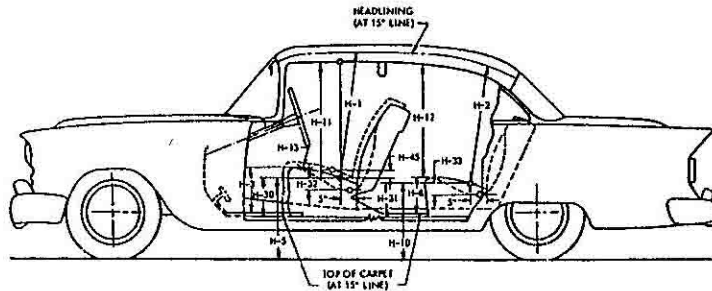
MAKE OF CAR PLYMOUTH

MODEL YEAR 1962

DATE ISSUED 8-9-61

REVISED \_\_\_\_\_

## BODY—HEIGHT DIMENSIONS—INTERIOR



MODEL	SP2-L, M, H				SP2-P	
	Sedans	Hardtops	Cv. Cpe	Sub.	2-D. H.T.	Cv. Cpe
H1. Front headroom. Free "A" pt. to headlining at 8° back of vertical. (For "A" pt. see note 3, page 20)	33.6	33.9	35.2	33.9	34.7	36.0
H2. Rear headroom. Free "A" pt. to headlining at 8° back of vertical	33.5	33.8	33.6	34.7	33.8	33.6
H3. Front cushion height above floor carpet at front edge of cushion. (Ignore risers)	11.4				10.7	
H5. Free "A" pt. to ground, front. Measured vertically	19.7			19.5	18.9	
H8. Rear cushion height above floor carpet at front edge of cushion. (Ignore risers)	12.7				12.3	
H10. Free "A" point to ground rear. Measured vertically	19.1			18.5	19.1	
H11. Entrance, front. Free "A" point to bottom of windcord, vertical	29.8				29.9	
H12. Entrance, rear. Top of cushion to bottom of windcord at front edge of rear seat	28.4 (a)	-		28.4	-	
H13. Steering wheel clearance to seat cushion taken on arc (wheel turned for min. clearance)	5.4				6.5	
H30. Free "A" point reference height, front. Vertical dimension to SAE horizontal reference line	9.7				8.0	
H31. Free "A" point reference height, rear. Vertical dimension to SAE horizontal reference line	11.8	11.7		11.8	11.7	
H32. Front seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point	4.5				3.8	
H33. Rear seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point	4.3					
H45. Front seat maximum vertical rise at free "A" point	1.2					

(a) 4-door models only.

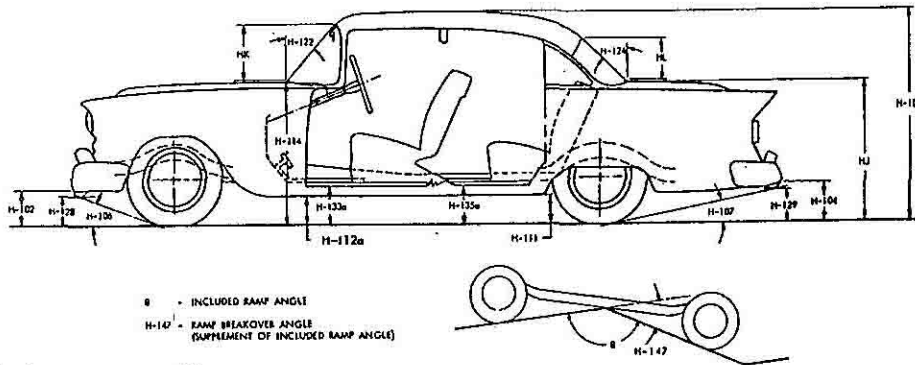


# AMA Specifications— Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE: ISSUED 8-4-61 REVISED (a)

## BODY—HEIGHT DIMENSIONS—EXTERIOR



NOTE: For dimensions to lamps see page 12.

MODEL	SVI		SPI	
	Exc. Sub.	Suburban	Exc. Sub.	Suburban
H101. Overall height, full design load	53.4	52.7	53.7	53.9
HB. Overall height, curb weight	55.7	56.0	55.8	56.6
H102. Front bumper bottom to ground at normal section, min. height	15.1	15.8	14.2	15.2
H104. Rear bumper bottom to ground at normal section, min. height	14.5	13.2	13.4	11.1
H106. Angle of approach. To interfering point on bumper, guard, other	21.5° (a)		20.1° (a)	21.9° (a)
H107. Angle of departure. To interfering point on bumper, guard, other	13.1° (a)	13.3° (a)	13.4° (a)	12.4° (a)
H111. Body Sill to Ground-Rear. Vertical dimension measured from bottom of body sill (rocker panel), excluding any flanges, to ground at front of rear wheel opening.	6.8	6.9	7.4	7.2
H112a. Body Sill to Ground-Front. Measured vertically at foremost point of body sill (rocker panel), excluding flanges and front fender.	7.2	7.3	7.9	8.3
H114. Hood at rear to ground. Vertical dimension C/L, excluding molding, at hood opening line at cowl	36.5	36.6	37.3	37.8
H122. Windshield normal slope angle to vertical line on car C/L	50°		57.2°	
H124. Backlight normal slope angle to vertical line on car C/L	56.5°	32.5°	52°	42°
H128. Bottom of front bumper guard to ground	(b)		(b)	
H129. Bottom of rear bumper guard to ground	10.9	9.6	(b)	
H133a. Bottom of front door to ground, min. dimension	11.5	11.6	11.4	11.5
H135a. Bottom of rear door to ground, min. dimension	11.3	11.4	11.2	11.0
H147. Ramp breakover angle	12.3°	11.9°	11.3°	11.5°
H153. Min. road clearance at rear axle	6.8	6.5	6.6	6.5
H156. Min. road clearance and location	5.5 (c)	5.4 (c)	5.0 (d)	4.7 (d)
HJ. Deck at rear window to ground	38.2	---	36.9	---
HK. Windshield DLO*. Vertical height at C/L	11.8		11.6	
HL. Back light DLO*. Vertical height at C/L	9.4	11.9	11.4	11.9

\* See Note, page 20

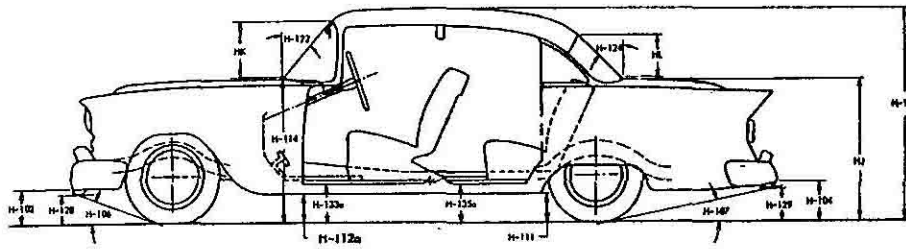
- (a) At sheet metal.
- (b) Bottom of guard located above bottom of bumper.
- (c) Exhaust pipe, bottom of front longitudinals.
- (d) Muffler, rear bead.

# AMA Specifications— Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE ISSUED 8-4-61 REVISED (a)

## BODY—HEIGHT DIMENSIONS—EXTERIOR



θ - INCLUDED RAMP ANGLE  
 H-147 - RAMP BREAKOVER ANGLE  
 (SUPPLEMENT OF INCLUDED RAMP ANGLE)

NOTE: For dimensions to lamps see page 12.

MODEL	SP2		
	Sedans & Hardtops	Conv.	Suburban
H101. Overall height, full design load	54.0	54.5	53.8
HB. Overall height, curb weight	56.2	56.5	56.6
H102. Front bumper bottom to ground at normal section, min. height	14.6		15.1
H104. Rear bumper bottom to ground at normal section, min. height	13.6		11.1
H106. Angle of approach. To interfering point on bumper, guard, other	20.9° (a)		21.7° (a)
H107. Angle of departure. To interfering point on bumper, guard, other	13.7° (a)		12.3° (a)
H111. Body Sill to Ground—Rear. Vertical dimension measured from bottom of body sill (rockar panel), excluding any flanges, to ground at front of rear wheel opening.	7.7		7.1
H112a. Body Sill to Ground—Front. Measured vertically at foremost point of body sill (rockar panel), excluding flanges and front fender.	8.3		
H114. Hood at rear to ground. Vertical dimension C/L, excluding molding, at hood opening line at cowl	37.7		
H122. Windshield normal slope angle to vertical line on car C/L	57.2°		
H124. Backlight normal slope angle to vertical line on car C/L	52°	62°	42°
H128. Bottom of front bumper guard to ground	(b)		
H129. Bottom of rear bumper guard to ground	(b)		
H133a. Bottom of front door to ground, min. dimension	2-Door - 11.7; 4-Door - 11.8		11.4
H135a. Bottom of rear door to ground, min. dimension	11.5		11.0
H147. Ramp breakover angle	11.9		11.3
H153. Min. road clearance at rear axle	6.4		
H156. Min. road clearance and location	5.3 (c)		4.6 (c)
HJ. Deck at rear window to ground	37.2		--
HK. Windshield DLO*. Vertical height at C/L	11.6		
HL. Back light DLO*. Vertical height at C/L	11.4	12.6	11.9

\* See Note, page 20

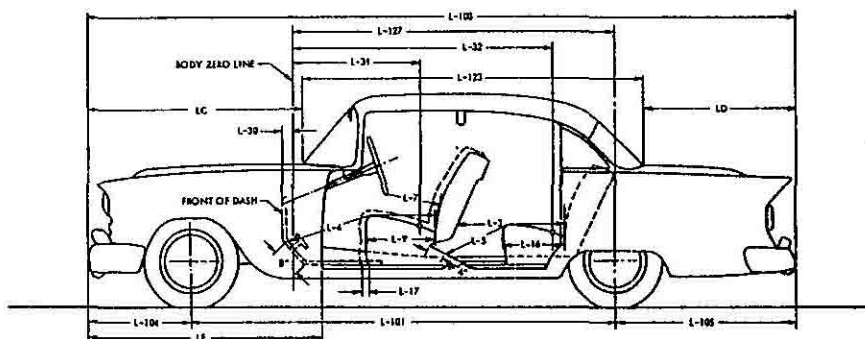
- (a) At sheet metal.
- (b) Bottom of guard located above bottom of bumper.
- (c) Muffler, rear bead.

# AMA Specifications—Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE: ISSUED 8-10-61 REVISED (\*) 10-23-61

## BODY—LENGTH DIMENSIONS



MODEL	SV1			SP1, 2-L, M, H		SP2-H	SP2-P	
	Sedans	Sub.	Signet	Sd. & HT	Sub.	Cv. Cpe	2DHT	Cv. Cpe
L3. Rear compartment room. Back of front seat back to front of rear seat back	27.9	26.9	28.3	28.1	28.3	26.8	30.1	28.7
L4. Leg room, front. Ball of foot to top of seat to seat back	42.8		42.2	46.0		45.9		
L5. Leg room, rear. Ball of foot to top of seat to seat back	39.8	38.4	39.4	40.9	39.2	37.9	40.9	38.5 ●
L7. Steering wheel clearance to seat back taken on arc	14.6		15.2	15.0		15.1		
L9. Front seat depth. Front edge to vert. tan. of seat back	18.1			18.2				
L16. Rear seat depth. Front edge to vert. tan. of seat back	18.9	17.7	18.9	17.7 ●				
L17. Maximum "A" point horizontal travel with normal seat adjustment	4.5							
L30. Vertical body zero line to actual front of dash. Measured horizontally*	0.4			2.0				
L31. Vertical body zero line to free "A" point, front	41.6			42.7				
L32. Vertical body zero line to free "A" point, rear	75.3	74.5	75.3	77.6	78.1	76.5	77.6	76.5
L101. Wheelbase	106.5			116.0				
L103. Overall length. Incl. bumper guards if standard equipment	184.2			202.0	210.0	202.0		
L104. Overhang, front. Include bumper guards if stand. eq.	29.2			34.6				
L105. Overhang, rear. Include bumper guards if stand. eq.	48.5			51.4	59.4	51.4		
L123a. Body upper structure length at C/L, excl. molding	96.2			99.4				
L127. Vertical body zero line to centerline of rear wheels	94.4			99.5				
LC. Front of car to base windshield, excl. molding	55.5			62.2				
LD. Rear of car to base of rear window or upper structure, excl. molding	32.5	-	32.5	40.4	-	40.4	-	-
LE. Front of car to front edge of front door	54.3			62.6				

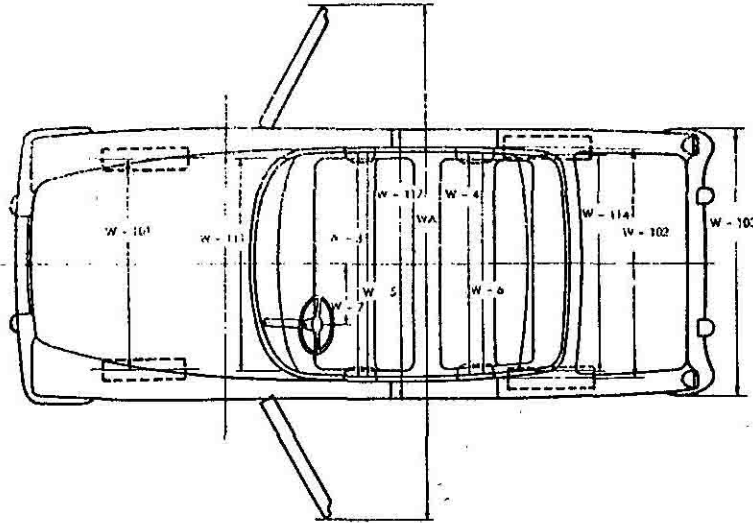
\* Precede figure with minus sign if front of dash is to rear of body zero line.

# AMA Specifications—Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE: ISSUED 8-8-61 REVISED (a) 1-25-62

## BODY—WIDTH DIMENSIONS



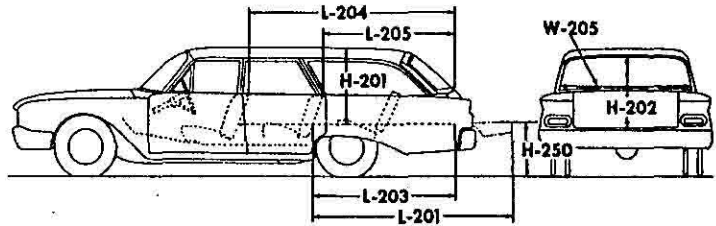
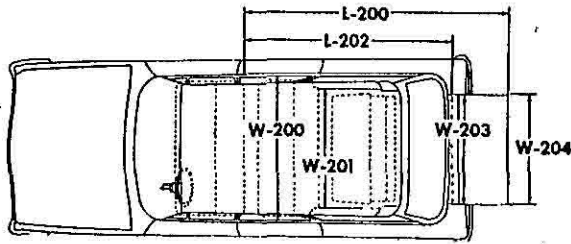
MODEL		SVI		SP1 & SP2		
		Exc. Sub.	Sub.	Sedan & H.T.	Conv.	Sub.
Interior	W3. Front shoulder room, at garnish molding height or nearest interference 5" forward of seat back	54.0		57.5		
	W4. Rear shoulder room, at garnish molding height or nearest interference 5" forward of seat back	54.1		57.8	47.9	57.8
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back	56.8		60.8		
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back	56.9		61.0	50.0	61.0
	W7. Steering wheel center (on surface plane of wheel) to C/L of body	13.7		15.8		
Exterior	W101. Front tread at ground	55.9		59.4		
	W102. Rear tread at ground	55.6		57.5		
	W103. Max. overall width of car incl. bumpers or moldings (specify location).	70.4 @ Front Bumper		75.6 @ Front Bumper		
	WA. Max. overall width of car with doors open (2 & 4 door)	2-Door 149.5 4-Door 134.2		2-Door 157.6 4-Door 139.9		
	W111. Windshield DLO, max. width	54.5		57.5		
	W114. Back window DLO, max. width	51.8	38.3	57.0	55.6	45.0
	W116a. Maximum overall sheet metal width excl. hardware and applied molding (specify location)	69.2, center line of front wheels		73.7, center line of front wheels		
W117. Max. body width at center pillar, less hardware and applied moldings	67.2		72.3			

# AMA Specifications – Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE: ISSUED 8-4-61 REVISED (\*)10-23-61

## STATION WAGON—CARGO SPACE DIMENSIONS



NOTE: Front seat in full down and normal rear position for all measurements. Lengths and heights measured at car centerline.

MODEL	SV1	SP1, SP2
L200 Floor length from back of front seat at floor level to end of lowered tail gate	106.3	117.9
L201 Floor length from back of second seat at floor level to end of lowered tail gate	74.7	83.2
L202 Floor length from back of front seat at floor level to inside of closed tail gate	82.6	94.3
L203 Floor length from back of second seat at floor level to inside of closed tail gate	51.0	56.6
L204 Minimum horizontal distance from top rear of front seat back to inside of top of tail gate	69.1	81.6
L205 Minimum horizontal distance from top rear of second seat back to inside of top tail gate	37.5	45.7
W200a Maximum width of cargo space at floor, specify location	52.6 (a)	59.4 (a)
W201 Minimum distance between wheel houses at floor level	43.6	45.0
W203 Rear end opening width at floor	40.7	49.0
W204 Rear end opening width at top of tail gate	41.0	51.3
W205 Maximum width of rear opening above raised tail gate	38.4	44.9
H201 Maximum height, floor covering to headlining at centerline of rear axle	31.3	30.9
H202 Maximum height of rear opening, tail and lift gates open	27.4	27.3
H250 Platform height measured from ground to top of tail gate floor covering at rear most edge of tail gate, curb weight	26.5	27.9
Third Seat, facing direction	---	Rearward
Tail and lift gates or sliding glass	Sliding glass	Sliding glass
Cargo volume Index (cu. ft.) W4 (P. 24) X L204 X H201 1728	67.7	84.4

(a) Immediately ahead of wheelhouse.

# AMA Specifications – Passenger Car

PLYMOUTH VALIANT

MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE ISSUED 8-4-61 REVISED (e) 10-23-61

	Valiant	Plymouth	
MODEL	2D Sd   2D HT   4D Sd   Sub.	2D Sd   2D HT   CvCp   4D Sd   4D HT   Sub.	

## BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front									
	Rear doors	Front									
Type of finish (lacquer, enamel, other)		Synthetic enamel									
Hood hinge location (front, rear)		Rear									
Hood counterbalanced (yes, no)		Yes									
Hood release control (internal, external)		External									
Vehicle (Serial) No. Location		Left front door hinge post									
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	Formed wire									
	Rear	Formed wire (a)									
Seat back type	Front	Formed wire		Cone coil		Formed wire					
	Rear	Formed wire (b)				Coil	Formed wire(b) (c)				
Windshield type (single curved, compound curved, other)		Single, curved									
Rear window type (flat, curved, one piece, three piece)		1-piece, curved		1-piece, flat		1-piece, curved					
Side glass type (curved, flat)		Flat									
Side glass exposed surface area		1464	1460	1434	2020	1206	1280	1120	1194	1272	2340
Windshield glass exposed surface area		985				1147					
Backlight glass exposed surface area		919		580		974		1326(d)		974	691
Total glass exposed surface area		3368	3364	3338	3585	3327	3401	3593	3315	3393	4178

- (a) Third seat cushion for Plymouth V-8 Suburban is zig zag wire.
- (b) The Signet 200 and Sport Fury have bucket seats in which the cushions and backs are of zig zag construction.
- (c) 2nd and 3rd seat backs have cone coil construction.
- (d) Plastic window.

# AMA Specifications – Passenger Car

PLYMOUTH VALIANT  
 MAKE OF CAR PLYMOUTH MODEL YEAR 1962 DATE ISSUED 8-10-61 REVISED (●) 1-25-62

## MAJOR OPTIONAL ITEMS - WEIGHTS

Model	VALIANT V-100	CURB - WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING * WEIGHT	
		Front	Rear	Total	Pass. In Front		Pass. In Rear			
					Front	Rear	Front	Rear		
2-Door Sedan	21	1435	1155	2590	50.5	49.5	19.8	80.2	2480	
4-Door Sedan	41	1455	1180	2635	50.5	49.5	19.8	80.2	2500	
4D Suburban, 6-Pass.	45	1415	1370	2785	50.5	49.5	19.8	80.2	2660 ●	
<b>VALIANT V-200</b>										
2-Door Sedan	21									2500 ●
4-Door Sedan	41	1455	1190	2645	50.5	49.5	19.8	80.2	2510 ●	
4D Suburban, 6-Pass.	45	1415	1380	2795	50.5	49.5	19.8	80.2	2690 ●	
<b>VALIANT SIGNET 200</b>										
2-Door Hardtop	23	1450	1185	2635	49.8	50.2	19.8	80.2	2515 ●	
<b>PLYMOUTH SIX</b>										
<b>SAVOY</b>										
2-Door Sedan	21	1660	1445	3095	50.7	49.3	18.6	81.4	2930 ●	
4-Door Sedan	41	1675	1460	3125	50.7	49.3	18.6	81.4	2960 ●	
4D Suburban, 6-Pass.	45	1610	1825	3425	50.7	49.3	18.5	81.5	3225 ●	
<b>BELVEDERE</b>										
2-Door Sedan	21	1660	1445	3095	50.7	49.3	18.6	81.4	2930 ●	
2-Door Hardtop	23	1670	1440	3100	50.7	49.3	18.6	81.4	2945 ●	
4-Door Sedan	41	1675	1460	3125	50.7	49.3	18.6	81.4	2960 ●	
4D Suburban, 6-Pass.	45	1610	1825	3425	50.7	49.3	18.5	81.5	3245 ●	
<b>FURY</b>										
2-Door Hardtop	23	1675	1470	3135	50.7	49.3	18.6	81.4	2960 ●	
4-Door Sedan	41	1685	1490	3165	50.7	49.3	18.6	81.4	2990 ●	
Accessories & Equipment Differential Weights					Remarks					
<b>VALIANT</b>										
TorqueFlite Six		+ 25	+ 5	+ 30						●
Power Steering		+ 35	0	+ 35						●
Power Brakes		+ 10	0	+ 10						●
Heater		+ 20	0	+ 20						
Radio		+ 5	0	+ 5						
Undercoat		+ 15	+ 25	+ 40						●
225 cu in. Engine		- 30	+ 5	- 25	Aluminum cylinder block					●
<b>PLYMOUTH SIX</b>										
TorqueFlite Six		+ 5	+ 10	+ 15						
Power Steering		+ 45	- 5	+ 40						
Power Brakes		+ 5	0	+ 5						●
Radio		+ 10	0	+ 10						
Heater		+ 20	+ 5	+ 25						●
Undercoat, Sedan		+ 15	+ 25	+ 40						●
Undercoat, Station Wagon		+ 10	+ 10	+ 20						
Power Windows		+ 10	+ 15	+ 25						
Power Seats		+ 20	+ 15	+ 40						

\* These are weights that are reported to states for licensing purposes.





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