

1971

AMA SPECIFICATIONS FORM

. . . Passenger Car

MANUFACTURER Chrysler-Plymouth Division Chrysler Corporation	CAR NAME PLYMOUTH SATELLITE	
MAILING ADDRESS Detroit, Michigan 48231	MODEL YEAR 1971	ISSUED 8-18-70
		REVISED (•) 12-18-70

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NOTES:

1. The General 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 standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.

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MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-18-70 REVISED (•)

BODY MODEL		Body type, number of passengers, and style names; use manufacturer's code for series & body style.				
		2-Door Coupe 21	2-Door Hardtop 23	4-Door Sedan 41	2-Seat 45	3-Seat 46
		Station Wagon				
Number of Passengers*		6				8
Satellite Coupe	Six	RL21**				
	V-8					
Satellite	Six			RL41	RL45	
	V-8					
Road Runner	V-8		RM23			
Satellite Custom	Six			RH41	RH45	RH46
	V-8					
Satellite Sebring	Six		RH23			
	V-8					
Satellite Brougham	V-8			RP41		
Satellite Regent					RP45	RP46
Satellite Sebring Plus			RP23			
GTX			RS23			

* With bucket seats reduce the number of passengers by one.
 ** RL21 is a RH23 with Coupe Sales Package

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CAR AND BODY DIMENSIONS

See Pages 27, 28 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for:

4-Dr. Sedan, 2-Dr. H.T., 4-Dr. H.T., Convertible and Station Wagon.

MODEL	SAE Ref. No.	RL, RH, RP, 21, 23		23		41		45, 46	
		Six	V-8	RM	RS	Six	V-8	Six	V-8

WIDTH

Track - Front	W101	59.7		60.1		59.7		60.1	
Track - Rear	W102	61.6	62.0		61.6		62.0	63.4	
Maximum overall car width	W103	79.1				78.6		79.2	
Body width at No. 2 pillar	W117	75.3				75.4			

LENGTH

Body "O" to front of dash	L 30	0.8		
Wheelbase	L101	115	117	
Overall car length	L103	203.2	204.6	210.9
Overhang - front	L104	39.3	35.3	
Overhang - rear	L105	48.9	52.3	58.6
Body upper structure length	L123	99.1	102.7	
Body "O" line to ϕ of rear wheel	L127	98.5	101.0	
Body "O" line to w s cowl point	L130	10.0		

HEIGHT

Passenger Distribution (front & rear)		2-Front, 3-Rear								
Trunk/Cargo load (lbs.)		None						150		
Overall height		H101	52.0	52.3	52.7	53.0	53.5	53.8	56.4 (a)	
Cowl height		H114	38.0	38.2	38.4	38.7	38.1	38.3	39.4	39.3
Deck height		H138	38.7	38.9	39.8	40.2	38.7	38.9	--	
Rocker panel - front	To ground	H112	7.5	7.8	8.0	8.3	7.6	7.9	9.0	8.9
	From front wheel		31.6							
Rocker panel - rear	To ground	H111	6.0	6.3	6.9	7.2	6.4	6.6	8.3	
	From rear wheel		17.8				20.3			
Windshield slope angle		H122	56°				53°			

GROUND CLEARANCE

Bumper to ground - front	H102	12.3	12.5	12.2	12.5	20.0	20.3	20.7	20.6
Bumper to ground - rear	H104	14.6	14.9	16.0	16.3	15.7	16.0	11.0	
Angle of approach deg	H106	22.2	22.6	22.2	22.8	25.8		27.1	26.9
Angle of departure deg	H107	18.1	18.5	20.4	21.0	13.6	14.0	12.5	
Ramp breakover angle deg	H147	11.0	11.4	12.0	12.6	11.0	11.6	13.9	13.7
Min. running clearance (Specify (b))	H156	4.4	5.3	5.4	5.7	4.8	5.5	6.8	

(a) With air deflector: 57.4

(b) Exhaust System to ground

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CAR AND BODY DIMENSIONS

See Pages 27, 28 for SAE Dimension Definitions
(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	21	23	41	45	46
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FRONT COMPARTMENT

Effective head room	H61	37.3	38.5	39.7
Max. eff. leg room — accelerator	L34		42.2	
H Point to Heel point	H30		8.6	
H Point travel	L17		5.6	
Shoulder room	W 3	58.9		59.2
Hip room	W 5	58.0		59.2
Upper body opening to ground	H50	47.9	49.0	50.1

REAR COMPARTMENT

H Point couple distance	L50	31.0		33.2
Effective head room	H63	36.4	37.3	39.9
Min. effective leg room	L51	34.1		36.7
H Point to Heel point	H31	10.6		11.4
Min. knee room	L48	1.2		2.7
Rear Compartment room	L 3	24.8	26.8	25.8
Shoulder room	W 4	57.8		59.3
Hip room	W 6	54.0		59.2
Upper body opening to ground	H51	--	48.8	50.2

LUGGAGE COMPARTMENT

Usable luggage capacity	V 1	14.2 cu. ft.	--
Liftover height	H195	Six: 26.8; V-8: 27.1 (a)	Six: 26.8; V-8: 26.9
Position of spare tire storage		Floor	Wheel well
Method of holding lid open		Torsion bar	--

STATION WAGON — THIRD SEAT

Shoulder Room	W85		49.2
Hip room	W86		44.6
Effective leg room	L86		31.2
Effective head room	H86		35.3
Seat facing direction			Rear

STATION WAGON — CARGO SPACE

Cargo length at floor — front seat	L202		94.3
Cargo length at belt — front seat	L204		84.2
Cargo width — Wheelhouse	W201		48.5
Opening width at belt	W204		46.0
Maximum cargo height	H201		31.6
Rear opening height	H202		Door: 28.4; Gate: 27.0
Cargo volume index (cu. ft.) W4 x L204 x H201 1728	V2		91.3 (b)

(a) Road Runner : 28.2

(b) Concealed cargo area for 2-seat station wagon: 9.0 cu. ft.

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POWER TEAMS

(Indicate whether standard or optional)

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

MODEL AVAILABILITY		ENGINE					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio) (a)
		Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		
6-Cyl	Std L,H	225	1,1-V	8.4	145 @ 4000	215 @ 2400	Manual 3-Speed	3.21*, 3.55*, 3.23
							Automatic	2.94, 3.23, 3.21*, 3.55*
V-8	Std L,H,P	318	1,2-V	8.6	230 @ 4400	320 @ 2000	Manual 3-Speed	2.94, 3.21*, 3.23, 3.55*
							Automatic	2.71*, 2.94 **, 3.21*, 3.23, 3.55*
	Opt L,H,P	383	1,2-V	8.5	275@ 4400	375@ 2800	Automatic	2.45*, 2.76*, 2.94**, 3.23
	Opt L,H,P Std M		1,4-V		300 @ 4800	410 @ 3400	Manual 3,4-Speed	3.23, 3.55**, 3.91**
							Automatic	3.23, 2.76*, 3.55**, 3.91**
	Opt M,S	426	2,4-V	10.2	425 @ 5000	490 @ 4000	Manual 4-Speed	3.54**, 4.10**
							Automatic	3.23, 3.55**, 4.10**
	Std S	440	1,4-V	9.5	370 @ 4600	480 @ 3200	Manual 4-Speed	3.54**, 4.10**
							Automatic	3.23, 3.55**, 4.10**
	Opt M,S		3,2-V	10.3	385 @ 4700	490 @ 3200	Manual 4-Speed	3.54**, 4.10**
Automatic							3.23, 3.55**, 4.10**	

Station Wagons

6-Cyl	Std L,H	225	1,1-V	8.4	145 @ 4000	215 @ 2400	Manual 3-Speed	3.55*
							Automatic	3.23, 3.55*
V-8	Std L,H,P	318	1,2-V	8.6	230 @ 4400	320 @ 2000	Manual 3-Speed	3.23, 3.55*
							Automatic	2.94* 2.76*, 3.23, 3.55* •
	Opt L,H,P	383	1,2-V	8.5	275@ 4400	375@ 2800	Automatic	2.76*, 3.23
	Opt L,H,P		1,4-V		300 @ 4800	410 @ 3400	Manual 3,4-Speed	3.23
							Automatic	3.23, 2.76*

(a) SURE-GRIP available on all ratios except as noted. Axle ratios do not change when A/C is installed.

* SURE-GRIP NA

** SURE-GRIP only

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 12-18-70 REVISED (6)

POWER TEAMS

(Indicate whether standard or optional)

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

Except Station Wagons

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio) (a)
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		
Opt M,H-23	340	1,4-V	10.3	275 @ 5000	340 @ 3200	Manual 3,4-Speed	3.23, 3.55**, 3.91**
						Automatic	3.23, 2.76*, 3.55**, 3.91**

(a) SURE-GRIP available on all ratios except as noted. Axle ratios do not change when A/C is installed.

★ SURE-GRIP NA

** SURE-GRIP Only

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MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-18-70 REVISED (*)

MODEL 225 CID 318 CID

ENGINE – GENERAL

Type, no. cyls., valve arr.	Six, In-line, OHV	90° V-8, OHV
Bore and stroke (nominal)	3.4 x 4.12	3.91 x 3.31
Piston displacement, cu. in.	225	318
Bore spacing (C to C)	(a)	4.46
No. system	L. Bank	1-3-5-7
(front to rear)	R. Bank	2-4-6-8
Firing order	1-5-3-6-2-4	1-8-4-3-6-5-7-2
Compression ratio (nominal)	See Page 4	
Cylinder Head Combustion Chamber Volume (cc)	58.5	66.3
Cylinder Head Material	Cast iron	
Cylinder Block Material	Cast iron	
Cyl. Sleeve, Wet, dry, none	None	
Number of mtg. points	Front	Two
	Rear	One
Engine installation angle	Lateral: 0°06', inclined rear to front: 2°30' to 3°	
Taxable horsepower	27.7	48.9
Recommended fuel	Regular	
regular – premium		

ENGINE – PISTONS

Material	Aluminum alloy	
Description and finish	Closed slipper-type, steel strut elliptically turned, tin-plated	
Weight (piston only) oz.	16.4	20.9
Clearance (limits)	Top land	0.024 min.
	Skirt	0.018 min.
	Top	0.0005 to 0.0015
	Bottom	-0.0005 to 0.0015
Ring groove	No. 1 ring	3.014
	No. 2 ring	3.014
	No. 3 ring	3.010
	No. 4 ring	--

(a) 3.98 (1-2, 3-4, 5-6); 4.0 (2-3, 4-5)

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MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-18-70 REVISED (*)

MODEL	383 CID		426 CID	440 CID	
	1,2-V	1,4-V	Hemi	Hi-Perf	3,2-V

ENGINE—GENERAL

Type, no. cyls., valve arr.	90° V-8, OHV		
Bore and stroke (nominal)	4.25 x 3.38	4.25 x 3.75	4.32 x 3.75
Piston displacement, cu. in.	383	426	440
Bore spacing (C to C)	4.8		
No. system	L. Bank	1-3-5-7	
(front to rear)	R. Bank	2-4-6-8	
Firing order	1-8-4-3-6-5-7-2		
Compres. ratio (nominal)	See Page 4		
Cylinder Head Combustion Chamber Volume (cc)	85.7	173.2	85.7
Cylinder Head Material	Cast iron		
Cylinder Block Material	Cast iron		
Cyl. Sleeve-Wet, dry, none	None		
Number of	Front	Two	
mtg. points	Rear	One	
Engine installation angle	Lateral: 0°6' inclined rear to front: 2°30' to 3°		
Taxable $\frac{\text{Dia}^2 \times \text{No. Cyl.}}{\text{horsepower}}$	57.8		59.7
Recommended fuel regular - premium	Regular	Premium	

ENGINE—PISTONS

Material			Aluminum alloy		
Description and finish			(a)	Forged, elliptically turned, tin plated	(a)
Weight (piston only) oz.			27.2	20.7	30.2
Clearance (limits)	Top land		0.022 min.		
	Skirt	Top	0.00025 to 0.00125	0.0025 to 0.0035	0.00025 to 0.00125
		Bottom	(b)	0.0015 to 0.0035	(c)
Ring groove	No. 1 ring		3.786	3.775	3.841
	No. 2 ring		3.786	3.785	3.841
	No. 3 ring		3.829	3.843	3.909
	No. 4 ring			--	

- (a) Closed slipper-type, steel strut elliptically turned, tin-plated
 (b) -0.00125 to 0.00125 for 383-2V
 -0.00075 to 0.00125 for 383-4V
 (c) -0.00075 to 0.00125 for 440 Hi-Perf
 -0.00125 to 0.00075 for 440-3,2V

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MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 12-18-70 REVISED (*)

MODEL

340 CID

ENGINE — GENERAL

Type, no. cyls., valve arr.	90° V-8, OHV
Bore and stroke (nominal)	4.04 x 3.31
Piston displacement, cu. in.	340
Bore spacing (C to C)	4.46
No. system	L. Bank
(front to rear)	R. Bank
Firing order	1-3-5-7 2-4-6-8
Compress. ratio (nominal)	1-8-4-3-6-5-7-2
Cylinder Head Combustion Chamber Volume (cc)	See Page 4A
Cylinder Head Material	71.2
Cylinder Block Material	Cast iron
Cyl. Sleeve-Wet, dry, none	Cast iron
Number of mtg. points	None
Front	Two
Rear	One
Engine installation angle	Lateral: 0°06' inclined rear to front: 2°30' to 3°
Taxable horsepower	Dia ² xNo. Cyl. 2.5
Recommended fuel regular — premium	52.2
	Premium

ENGINE — PISTONS

Material	Aluminum alloy
Description and finish	Open slipper type
Weight (piston only) oz.	25.4
Clearance (limits)	Top land
	0.020 min.
	Skirt
	Top
	0.0010 to 0.0020
	Bottom
	0.0000 to 0.0020
Ring groove diameter	No. 1 ring
	3.597
	No. 2 ring
	3.597
	No. 3 ring
	3.909
	No. 4 ring
	--

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	225 CID	318 CID	383 CID
MODEL			1,2-V 1,4-V

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 - #1	Cast iron, twist and radius-faced, tin-plated	Cast iron, twist and radius faced, tin-plated
	etc. #2	Cast iron, reverse twist & taper, lubrite-coated	(a)
	Width	0.078	
	Gap	0.010 to 0.020	0.013 to 0.023
Oil	Description -	3-piece abutment-type, stainless steel	
	material, coating, etc.	spacer-expander with chrome-plated segments	
	Width	0.188	
	Gap	Not Applicable	
Expanders		See Above	

ENGINE – PISTON PINS

Material		Carbon steel-carburizing grade		
Length		2.965	2.995	3.565
Diameter		0.9008	0.9842	1.0936
Type	Lacked in rod, in piston, floating, etc.	Press-fit in rod	Floating	Press-fit in rod
	Bush- In rod or piston	None	Rod	None
	ing Material	--	Bronze on steel	--
Clearance	In piston	0.00045 to 0.00075	0.0000 to 0.005	0.00045 to 0.00075
	In rod	(b)	0.0001 to 0.0006	(c) 0.0007 to 0.0014
Direction & amount offset in piston		Right 0.06		Right 0.09

ENGINE – CONNECTING RODS

Material		Drop-forged steel			
Weight (oz.)		26.8	25.6	28.6	
Length (center to center)		6.699	6.123	6.358	
Bearing	Material & Type	Lead-base babbitt on steel	Bi-metal grid	Babbitt	Tri-metal
	Overall length	0.985	0.843	0.927	
	Clearance (limits)	0.0005 to 0.0025		0.0005 to 0.0025	0.0007 to 0.0032
	End play	0.006 to 0.012	(d)	0.009 to 0.017 (2 rods)	

- (a) Cast iron, reverse twist and taper, tin-plated
 (b) 0.00045 to 0.0014 interference
 (c) 0.0007 to 0.0014 interference
 (d) 0.006 to 0.014 (2 rods)

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	426 CID	440 CID	
MODEL	Hemi	Hi-Perf	3, 2-V

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		
Compres- sion	Description - material, coating, etc.	#1	(a)	(b)
		#2	Cast iron, reverse twist and taper, tin-plated	
	Width		0.078	
	Gap		0.013 to 0.023	
Oil	Description - material, coating, etc.		3-piece abutment-type, stainless steel spacer-expander with chrome-plated seg- ments	(c)
	Width		0.188	
	Gap		Not applicable	
	Expanders		See above	

ENGINE – PISTON PINS

Material	Carbon steel-carburizing grade		
Length	3.400	3.565	3.385
Diameter	1.0311	1.0936	
Type	Locked in rod, in piston, floating, etc.	Floating	Press-fit in rod
	Bush- ing	Rod	None
	Material	Bronze on steel	--
Clearance	In piston	0.0001 to 0.0006	0.00045 to 0.00075
	In rod	0.0002 to 0.0007	0.0007 to 0.0014 interference
Direction & amount offset in piston		Right 0.09	

ENGINE – CONNECTING RODS

Material	Drop-forged steel		
Weight (oz.)	38.2	29.8	
Length (center to center)	6.861	6.768	
Bearing	Material & Type	Tri-metal	
	Overall length	0.927	
	Clearance (limits)	0.010 to 0.0035	0.0007 to 0.0032
	End play	0.009 to 0.017 (2 rods)	

- (a) Cast iron, twist and barrel-lap faced, moly-filled
 (b) Cast iron, twist and radius faced, tin-plated
 (c) 3-piece stainless steel spacer-expander with chrome-plated segments

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MODEL

340 CID

ENGINE – RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil
	No. 4, oil or comp.	None
Compression	Description - material, coating, etc.	#1 Cast iron, twist and barrel-lap faced, moly-filled
		#2 Cast iron, reverse twist and taper, lubrite coated
	Width	0.078
	Gap	0.013 to 0.023
Oil	Description - material, coating, etc.	3-Piece abutment type, stainless steel, spacer-expander with chrome-plated segments
	Width	0.188
	Gap	Not Applicable
Expanders		See above

ENGINE – PISTON PINS

Material		Carbon steel-carburizing grade
Length		2.995
Diameter		0.9842
Type	Locked in rod, in piston, floating, etc.	Floating
	Bush- ing	Rod
	Material	Bronze on steel
Clearance	In piston	0.0000 to 0.0005
	In rod	0.0001 to 0.0006
Direction & amount offset in piston		Right 0.06

ENGINE – CONNECTING RODS

Material		Drop-forged steel
Weight (oz.)		26.7
Length (center to center)		6.123
Bearing	Material & Type	Tri-metal
	Overall length	0.843
	Clearance (limits)	0.0005 to 0.0030
	End play	0.006 to 0.014 (2 rods)

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	225 CID	318 CID	383 CID	
MODEL			1, 2-V	1, 4-V

ENGINE – CRANKSHAFT

Material		Drop-forged steel		Cast ductile iron	Drop-forged steel	
Vibration damper type		Non-adhesive, rubber, dynamic				
End thrust taken by bearing(No.)		Three				
Crankshaft end play		0.002 to 0.007				
Main bearing	Material & type		Lead-base babbitt on steel, removable, precision			
	Clearance		(a)		(b)	(a)
	Journal dia. and bearing overall length	No. 1	2.75 x 1.034	2.5 x 0.872	2.625 x 0.944	
		No. 2	2.75 x 1.034	2.5 x 0.872	2.625 x 0.944	
		No. 3	2.75 x 1.254	2.5 x 1.151	2.625 x 1.223	
		No. 4	2.75 x 1.034	2.5 x 0.872	2.625 x 0.944	
		No. 5	--	2.5 x 1.322	2.625 x 0.944	
		No. 6	--			
		No. 7	--			
	Dir. & amt. cyl. offset		None			
No. bolts/main brg. cap		Two				
Crankpin journal diameter		2.187	2.125	2.38		

ENGINE – CAMSHAFT

Location		Right	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		
	Crankshaft gear or sprocket material		Sintered iron (Super Oilite)		
	Camshaft gear or sprocket material		Nylon-coated aluminum		
	Timing chain	No. of links	50	68	50
		Width	0.88	0.63	0.75
		Pitch	0.50	0.375	0.50

(a) 0.0005 to 0.0025 specified; 0.0005 to 0.0015 desired

(b) 0.005 to 0.0025 specified; 0.005 to 0.0015 desired

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MAKE OF CAR	PLYMOUTH SATELLITE	MODEL YEAR	1971	DATE ISSUED	8-18-70	REVISED (a)
MODEL	426 CID Hemi	440 CID	Hi-Perf	3,2-V		

ENGINE – CRANKSHAFT

Material		Drop-forged steel		
Vibration damper type		Non-adhesive, rubber, dynamic		
End thrust taken by bearing (No.)		Three		
Crankshaft end play		0.002 to 0.007		
Main bearing	Material & type	(a)	(b)	All main bearings on steel
	Clearance	0.0015 to 0.0025	0.005 to 0.0025 specified (c)	
	Journal dia. and bearing overall length	No. 1	2.75 x 0.944	
		No. 2	2.75 x 0.944	
		No. 3	2.75 x 1.223	
		No. 4	2.75 x 0.944	
		No. 5	2.75 x 0.944	
		No. 6	--	
No. 7	--			
Dir. & amt. cyl. offset	None			
No. bolts/main brg. cap	Four	Two		
Crankpin journal diameter		2.38		

ENGINE – CAMSHAFT

Location		Center of "V" above crankshaft			
Material		Hardenable cast iron, oil pump and distributor drive gear cast integrally			
Bearings	Material	Babbitt	Lead-base babbitt on steel		
	Number	Five			
Type of Drive	Gear or chain	Double-roller chain	Chain	Double-roller chain	
	Crankshaft gear or sprocket material	Steel	Sintered iron (Super Oilite)	Steel	
	Camshaft gear or sprocket material	Cast iron	Nylon-coated Aluminum	Cast iron	
	Timing chain	No. of links	66	50	66
		Width	0.86	0.75	0.86
		Pitch	0.375	0.50	0.375

- (a) Tri-metal: steel back, copper-lead, intermediate layer of high-lead overplate
 (b) Lead-base babbitt on steel, removable, precision; tin alloy on steel (#3 main only)
 (c) 0.0005 to 0.0015 desired

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 12-18-70 REVISED (*)

MODEL

340 CID

ENGINE — CRANKSHAFT

Material		Drop-forged steel	
Vibration damper type		Non-adhesive, rubber, dynamic	
End thrust taken by bearing (No.)		Three	
Crankshaft end play		0.002 to 0.007	
Main bearing	Material & type		Aluminum alloy on steel, removable, precision, except #5 lead-base babbitt on steel
	Clearance		0.0005 to 0.0025 specified; 0.0005 to 0.0015 desired
	Journal dia. and bearing overall length	No. 1	2.5 x 0.872
		No. 2	2.5 x 0.872
		No. 3	2.5 x 1.151
		No. 4	2.5 x 0.872
		No. 5	2.5 x 1.322
		No. 6	--
		No. 7	--
	Dir. & amt. cyl. offset		None
No. bolts/main brg. cap		Two	
Crankpin journal diameter		2.125	

ENGINE — CAMSHAFT

Location	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	Five	
Type of Drive	Gear or chain		Double roller chain
	Crankshaft gear or sprocket material		Steel
	Camshaft gear or sprocket material		Cast iron
	Timing chain	No. of links	68
		Width	0.87
		Pitch	0.375

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-19-70 REVISED (a)

MODEL		225 CID	318 CID	383 CID		
				1,2-V	1,4-V	
ENGINE - VALVE SYSTEM						
Hydraulic lifters (Std., opt., NA)		NA		Std		
Valve rotator, type (intake, exhaust)		Low-friction lock on exhaust				
Rocker ratio		1.5:1				
Operating tappet clearance (indicate hot or cold)	Intake	0.010 Hot	Hydraulic			
	Exhaust	0.020 Hot	Hydraulic			
Timing (based on top of ramp points)	Intake	Opens (-BTC)	16	10	18	21
		Closes (-ABC)	48	50	62	67
		Duration - deg.	244	240	260	268
	Exhaust	Opens (+BBC)	54	52	68	79
		Closes (-ATC)	10	16	20	25
		Duration - deg.	244	248	268	284
Valve opening overlap		26		38	46	
Material		SAE 1041				
Overall length		4.77	4.97	4.86		
Actual overall head dia.		1.62	1.78	2.08		
Angle of seat & face deg		Seat: 44.5 to 45.0; Face: 45.0 to 45.5				
Seat insert material		None				
Intake	Stem diameter	0.372 to 0.373		0.3723 to 0.3730	0.3718 to 0.3725	
	Stem to guide clearance	0.001 to 0.003		0.0010 to 0.0027	0.0015 to 0.0032	
	Lift (- zero lash)	0.406	0.372	0.425	0.450	
	Outer spring press. & length	Valve closed (lb. in.)	63 @ 1.65	92 @ 1.65	125 @ 1.86	1.05 @ 1.86
		Valve open (lb. in.)	156 @ 1.26	189 @ 1.28	200 @ 1.42	234 @ 1.40
	Inner spring press. & length	Valve closed (lb. in.)	None			Surge damper
		Valve open (lb. in.)	None			Surge damper
	Material		21-2			
	Overall length		4.80	5.00	4.89	
	Actual overall head dia.		1.36	1.50	1.74	
Angle of seat & face deg		Seat: 44.5 to 45.0; Face: 47.0 to 47.5; Seat: 44.5 to 45.0; Face: 45.0 to 45.5				
Seat insert material		None				
Exhaust	Stem diameter	0.371 to 0.372		(a)	(b)	
	Stem to guide clearance	0.002 to 0.004		(c)	(d)	
	Lift (- zero lash)	0.414	0.400	0.437	0.465	
	Outer spring press. & length	Valve closed (lb. in.)	63 @ 1.65	92 @ 1.65	125 @ 1.85	1.05 @ 1.86
		Valve open (lb. in.)	156 @ 1.26	189 @ 1.25	200 @ 1.42	234 @ 1.40
	Inner spring press. & length	Valve closed (lb. in.)	None			Surge damper
		Valve open (lb. in.)	None			Surge damper

- (a) Hot end: 0.3713 to 0.3720; Cold end: 0.3723 to 0.3730
 (b) Hot end: 0.3708 to 0.3715; Cold end: 0.3718 to 0.3725
 (c) Hot end: 0.0020 to 0.0037; Cold end: 0.0010 to 0.0027
 (d) Hot end: 0.0025 to 0.0042; Cold end: 0.0015 to 0.0032

AMA Specifications Form—Passenger Car

 MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-19-70 REVISED (a)

MODEL		426 CID Hemi		440 CID Hi-Perf		3, 2-V		
ENGINE - VALVE SYSTEM								
Hydraulic lifters (Std., opt., NA)		Std						
Valve rotator, type (intake, exhaust)		None		Low-friction lock on exhaust				
Rocker ratio		1.5:1						
Operating tappet clearance (indicate hot or cold)	Intake	Hydraulic						
	Exhaust	Hydraulic						
Timing (based on top of ramp points)	Intake	Opens (BTC)	36		21			
		Closes (ABC)	68		67			
		Duration - deg.	284		268			
	Exhaust	Opens (BBC)	80		79			
		Closes (ATC)	24		25			
		Duration - deg.			284			
Valve opening overlap		60		46				
Intake	Material		Silchrome XB		SAE 1041			
	Overall length		5.41		4.86			
	Actual overall head dia.		2.25		2.08			
	Angle of seat & face deg		Seat: 44.5 to 45.0; Face: 45.0 to 45.5					
	Seat insert material		None					
	Stem diameter		0.3085 to 0.3095		0.3718 to 0.3725			
	Stem to guide clearance		0.002 to 0.004		0.0015 to 0.0032			
	Lift (zero lash)		0.490		0.450			
	Outer spring press. & length	Valve closed (lb. in.)	115 @ 1.86		105 @ 1.86		115 @ 1.86	
		Valve open (lb. in.)	310 @ 1.37		234 @ 1.40		310 @ 1.37	
	Inner spring press. & length	Valve closed (lb. in.)	Surge damper					
		Valve open (lb. in.)	Surge damper					
	Exhaust	Material		21-4N (a)		21-2		
		Overall length		4.86		4.89		
Actual overall head dia.		1.94		1.74				
Angle of seat & face deg		Seat: 44.5 to 45.0; Face: 45.0 to 45.5						
Seat insert material		None						
Stem diameter		0.3075 to 0.3085		(b)				
Stem to guide clearance		0.0030 to 0.0050		(c)				
Lift (zero lash)		0.480		0.465				
Outer spring press. & length		Valve closed (lb. in.)	115 @ 1.86		105 @ 1.86		115 @ 1.86	
		Valve open (lb. in.)	310 @ 1.37		234 @ 1.40		310 @ 1.37	
Inner spring press. & length	Valve closed (lb. in.)	Surge damper		None		Surge damper		
	Valve open (lb. in.)	Surge damper		None		Surge damper		

(a) Stellite-faced

(b) Hot end: 0.3708 to 0.3715; Cold end: 0.3718 to 0.3725

(c) Hot end: 0.0025 to 0.0042; Cold end: 0.0015 to 0.0032

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 12-18-70 REVISED (a)

MODEL		340 CID		
ENGINE - VALVE SYSTEM				
Hydraulic lifters (Std., opt., NA)		Std		
Valve rotator, type (intake, exhaust)		Low-friction lock on exhaust		
Rocker ratio		1.5:1		
Operating tappet clearance (indicate hot or cold)	Intake	Hydraulic		
	Exhaust	Hydraulic		
Timing (based on top of ramp points)	Intake	Opens (BTC)	22	
		Closes (-ABC)	66	
		Duration - deg.	268	
	Exhaust	Opens (-BBC)	74	
		Closes (-ATC)	22	
		Duration - deg.	276	
	Valve opening overlap		44	
Intake	Material		Silchrome XB	
	Overall length		4.99	
	Actual overall head dia.		2.02	
	Angle of seat & face deg		Seat: 44.5 to 45.0; Face: 45.0 to 45.5	
	Seat insert material		None	
	Stem diameter		0.3715 to 0.3725	
	Stem to guide clearance		0.0015 to 0.0035	
	Lift (- zero lash)		0.430	
	Outer spring press. & length	Valve closed (lb. - in.)	96 @ 1.65	
		Valve open (lb. - in.)	242 @ 1.21	
	Inner spring press. & length	Valve closed (lb. - in.)	Surge damper	
		Valve open (lb. - in.)	Surge damper	
	Exhaust	Material		21-4N
		Overall length		5.00
Actual overall head dia.		1.60		
Angle of seat & face deg		Seat: 44.5 to 45.0; Face: 47.0 to 47.5		
Seat insert material		None		
Stem diameter		0.3705 to 0.3715		
Stem to guide clearance		0.0025 to 0.0045		
Lift (- zero lash)		0.445		
Outer spring press. & length		Valve closed (lb. - in.)	96 @ 1.65	
		Valve open (lb. - in.)	244 @ 1.20	
Inner spring press. & length		Valve closed (lb. - in.)	Surge damper	
	Valve open (lb. - in.)	Surge damper		

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-19-70 REVISED (•) 12-18-70

	225 CID	318 CID	383 CID	383 CID 340 CID	426	440 CID
MODEL			1, 2-V	1, 4-V	Hemi	Hi-Per 3, 2-V

ENGINE – LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Metered jet spray
	Camshaft bearings	Pressure
	Tappets	Six-cylinder: splash; V-8: pressure
	Timing gear or chain	Jet
	Cylinder walls	Metered jet spray
Oil pump type		Rotary
Normal oil pressure (lb. / engine rpm)		45 to 65 @ 2000
Oil press. sending unit (elect. or mech.)		Electric
Type oil intake (floating, stationary)		Stationary
Oil filter system (full flow, part., other)		Full flow
Filter replacement (element, complete)		Complete
Capacity of c/case, less filter-refill (qt.)	4	6
Oil grade recommended (SAE viscosity and temperature range)	Consistently above +32°F..SAE 10W-30, SAE 20W-40, SAE 10W-40, SAE 20W-50, SAE 30 Occasionally as low as -10°F..SAE 10W-30, SAE 10W-40 Range between +32°F and -10°F..SAE 10W, SAE 10W-30, SAE 10W-40 Consistently below +10°F.....SAE 5W-20, SAE 5W-30	
Engine Service Reqmt.	MS or SD	

ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single with crossover	Dual	
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse		Two, reverse	(a) Two, reverse
Exhaust pipe dia. (O.D., wall thick.)	Branch	1.75x0.067	1.88x0.075	--
	Main	1.88x0.067	2.00x0.067	2.25 x 0.075
Tail pipe dia. (O.D. & wall thickness)	1.75x0.043	1.88x0.043	2.25 x 0.043	

(a) Two, reverse; Two resonators

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-19-70 REVISED (*)12-18-70

MODEL	225 CID	340 CID 318 CID	383 CID
			1,2-V 1,4-V

ENGINE – FUEL SYSTEM

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

Induction type: Carburetor, fuel injection, supercharger.		Carburetor		
Fuel Tank	Refill capacity (U.S. gals.)	21		
	Filler location	Rear center except left rear fender on station wagon		
Fuel Pump	Type (elec. or mech.)	Mechanical		
	Locations	Right center	Right front	
	Pressure range	3.5 to 5	5 to 7	3.5 to 5
Vacuum booster (std., optional, none)		None		
Fuel Filter	Type	Fuel tank: plastic; Fuel line: paper		
	Locations	One in fuel tank, one in supply line		
	Choke type	Automatic separate		
	Intake manifold heat control (exhaust or water)	Exhaust		
Carburetor	Air cleaner type	Standard	Paper element	
		Optional	--	
	Idle speed (spec. neutral or drive)	Manual	750 (a)	900
		Automatic	750 700 (a)	800
	Neutral	Idle A/F mix.	14.0 to 14.4	

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
Six	225	Manual	Holley	R-4655A	1,1-V	1.69
		Automatic		R-4656A		
V-8	318	Manual	Carter	BBD-4957S	1,2-V	1.44
		Automatic		BBD-4958S		
				Rochester		
	383		Carter		1,2-V	1.56
		Automatic		BBD-4962S		
		Manual	Holley	R6191A	1,4-V	P: 1.56 S: 1.75
		Automatic		R-4668A		
		Manual		R-6193A*		
		Automatic		R-4735A*		
	340	Manual	Carter	TQ-4972S	1,4-V	P: 1.38 S: 2.25
		Automatic		TQ-4973S		

* Thru hood air intake
(a) 340 CID: 900

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-19-70 REVISED (*)

MODEL	426	440 CID	
	Hemi	Hi-Perf	3,2-V

ENGINE – FUEL SYSTEM

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

Induction type: Carburetor, fuel injection, supercharger.		Carburetor	
Fuel Tank	Refill capacity (U.S. gals.)	21	
	Filler location	Rear center except left rear fender on station wagon	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Right front	
	Pressure range	7.0 to 8.5	3.5 to 5
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Fuel tank: plastic; Fuel line: paper	
	Locations	One in fuel tank, one in supply line	
Carburetor	Choke type	(a)	Automatic separate (b)
	Intake manifold heat control (exhaust or water)	Exhaust	
	Air cleaner type	Paper element	
		--	
	Idle speed (spec. neutral or drive)	Manual	900
		Automatic	900
	Idle A/F mix.	900	800
		13.7 to 14.1	14.0 to 14.4

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
V-8	426		Carter	Front	2,4-V	P: 1.44 S: 1.69
		Manual		AFB-4971S		
		Automatic		Rear		
				AFB-4969S		
		Manual		AFB-4970S		
		Automatic		AVS-4967S	1,4-V	1.69
	440	Manual	Carter	AVS-4968S		
		Automatic		Front	3,2-V	1.75
		All		R-4671A		
				Rear		
		All		R-4672A		
			Holley	Center		1.50
		Manual		R-4669A		
		Automatic		R-4670A		

(a) Automatic on rear carburetor only

(b) Automatic on center carburetor only

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-20-70 REVISED (*) 12-21-70

MODEL	225 CID	318 CID	340 CID	383 CID	426 CID Hemi	440 CID
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ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)	Pressure vented					
Radiator cap relief valve pressure	16					
Circulation thermostat	Choke, pellet					
Starts to open at (°F)	185°					
Type (centrifugal, other)	Centrifugal					
GPM 1000 pump rpm	--					
Number of pumps	One					
Drive (V-belt, other)	V-belt					
Bearing type	Ball, integral shaft, permanently sealed					
By-pass recirculation type (inter., ext.)	External			Internal		
Radiator core type (cellular, tube and fin, other)	Tube and spacer					
With heater (qt.)	13	16	15	14.5	15.5	
Without heater (qt.)	12	15	14	13.5	14.5	
Opt. equipment-specify (qt.) A/C	13	16.5	15	--		17
Water jackets full length of cyl. (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	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	4	7		
	Diameter	17	18	18.5	18	18.5
	Ratio-fan to crankshaft rev.	1.07:1	0.95:1		1.20:1	0.95:1
	Fan cutout type	Solid			Torque	Solid
	Bearing type	Ball, integral shaft, permanently sealed				
* Drive belts (indicate belt used by letter)	Fan	A	D	G	J	G
	Generator or alternator	A	D	G	J	G
	Water Pump	A	D	G	J	G
	Power Steering	B	E	H	K	H
	Air Conditioning	C	F	I	--	I

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V deg	36	36	36	36	36	36	36	36	36	36	36
Nominal length (SAE)	57.0	40.0	53.0	47.5	38.0	54.26	46.5	42.5	60.0	45.0	39.38
Width	0.38	0.38	0.50	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.50

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-20-70 REVISED (•) 12-21-70

MODEL _____

All Engines

VEHICLE EMISSION CONTROL

Exhaust Emission Control	Type (Air injection, engine modifications, other)		Engine Modifications; Cleaner Air System
	Air Injection Pump	Type	Not applicable
		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)	"
Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Induction system
	Standard		--
	Optional		3577098
	Control Unit	Make and model	Cylinder head cover outlet
		Location	Manifold vacuum
		Energy source (manifold vacuum, carburetor, other)	Variable orifice
		Control method (variable orifice, fixed orifice, other)	Intake manifold, at or below base of carburetor
	Complete system	Discharges (to intake manifold, other)	(a)
		Air inlet (breather cap, other)	Check valve
		Flame arrestor (screen, other)	
Evaporative Emission Control	Fuel Tank	Refill Capacity (U.S. gallons)	17
		Thermal expansion volume (cu. ft.)	1.8 gallon
		Pressure relief location (lbs.)	Filler cap: 25 to 35 inches of water •
		Vacuum relief location (lbs.)	Filler cap: 5 to 14 inches of water •
		Vapor-liquid separator type	Combined unit with thermal expansion tank, inside left rear wheelhouse (Except station wagon)
		Vapor vented to (crankcase, canister, other)	Crankcase
	Carbu- retor	Vapor vented to (crankcase, canister, other)	Crankcase
	Vapor Storage	Storage provision (crankcase, canister, other)	Crankcase
		Volume (cu. ft.)	225,318 CID: 1.5; 383,340: 1.6; 426,440: 1.7 •
		Control valve type	Crankcase PCV Valve

(a) Tube from carburetor air cleaner housing to crankcase air filter

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-20-70 REVISED ^(*)12-21-70

	225 CID	340, 318 CID	383 CID	426 CID Hemi	440 CID Hi-Perf, 3, 2-V
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MODEL

ELECTRICAL – SUPPLY SYSTEM

Battery	Make and Model		2875951	2875320	2642969
	Voltage Rtg. & Total Plates		12, 54	12, 66	12, 78
	SAE Designation & Amp. Hr. Rtg.		46 amp	59 amp	70 amp
	Location		Left front fender shield		
Alternator	Terminal grounded		Negative		
	Make		Chrysler		
	Model		3438172	3438176	3438172
	Type and rating		37 amp		
Regulator	Output at engine idle (neutral)		--		
	Ratio—Gen. to Cr/s rev.		2.70:1	2.55:1	2.12:1 2.55:1
	Make		Chrysler		
	Model		3438150		
Regulator	Type		Voltage control		
	Cutout relay	Closing voltage generator rpm	--		
		Reverse current to open	--		
	Regu- lated	Voltage	13.8 to 14.4 @ 80°F ambient		
		Current	--		
	Voltage test conditions	Temperature	80°F		
		Load	15 amp		
	Other		--		

ELECTRICAL – STARTING SYSTEM

Starting Motor	Make		Chrysler		
	Model		2875560		
	Rotation (drive end view)		Clockwise		
Motor control	Switch (solenoid, manual)		Solenoid		
	Starting procedure		(a)		
Motor Drive	Engagement type		Solenoid		
	Pinion meshes (front, rear)		Front		
	Number of teeth	Pinion	10		
		Flywheel			
		Manual	122	130	172 143
		Auto.	122	130	
	Flywheel tooth face width		Manual	0.340	
			Auto.	0.340	

- (a) With transmission in "Neutral" or "Park", depress accelerator pedal to floor and release. If car is equipped with manual transmission, the clutch pedal must be held to the floor while starting engine. Turn ignition key to start position and release when engine starts. When engine is running smoothly, tap accelerator pedal to reduce fast idle speed.

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-20-70 REVISED (*)12-21-70

MODEL	225 CID	318 CID	383 CID	
			1,2-V	1,4-V

ELECTRICAL - IGNITION SYSTEM - DISTRIBUTOR

Breaker gap (in.)		0.017 to 0.023	0.014 to 0.019	0.016 to 0.021	
Cam angle (deg.)		41 to 46	30 to 34	28.5 to 32.5	
Breaker arm tension		17 to 20 oz			
Distributor	Manual	2875822	3438255	--	3438690
		3438440	3438453		
	Automatic	2875826	3438225	3438534	
		3438442	3438453	3438544	
Timing (a)	Manual	TDC		--	10° BTC
	Automatic	TDC		10° BTC	12.5° BTC
				12.5° BTC	

(a) Transmission in neutral, crankcase degrees @ engine idle rpm (See Page 10)
Distributor solenoid disengaged

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. In. of Mercury	
	Start	Intermediate	Max.	Start	Max.
2875822	2 to 10 @ 1100	18.4 to 22.4 @ 1800	24 to 28 @ 4000	1 to 7 @ 10	10.5 to 15.25 @ 15
2875826	2 to 10 @ 1100	18.4 to 22.4 @ 1800	24 to 28 @ 4000	1 to 7 @ 7	10.5 to 15.25 @ 10
3438225	2 to 12 @ 1100	17 to 21 @ 1600	28 to 32 @ 4200	1.5 to 4.5 @ 12	8.5 to 21.5 @ 15
3438255	2 to 6 @ 1100	17 to 21 @ 1600	28 to 32 @ 4200	2 to 8 @ 10.5	16.5 to 21.5 @ 15
3438534	2 to 9 @ 1200	10 to 14 @ 1600	24 to 28 @ 4000	2 to 7 @ 9	16 to 20 @ 15
3438690	1 to 7 @ 1300	12 to 16 @ 1800	24 to 28 @ 4800	2 to 8 @ 10.5	16 to 20 @ 15

California Only

3438440	1 to 7 @ 1600	16 to 21 @ 2400	24 to 28 @ 4400	1 to 7 @ 10	10.5 to 15.25 @ 15
3438442	1 to 7 @ 1600	16 to 21 @ 2400	24 to 28 @ 4400	1 to 7 @ 7	10.5 to 15.25 @ 10
3438453	0 to 8 @ 1200	16 to 21 @ 2000	28 to 32 @ 4200	2 to 8 @ 9.5	16 to 21 @ 15
3438544	1 to 7 @ 1400	10 to 15 @ 1800	24 to 28 @ 4000	2 to 8 @ 10.5	15 to 20 @ 15

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 12-21-70 REVISED (a)

MODEL

340 CID

ELECTRICAL - IGNITION SYSTEM - DISTRIBUTOR

Breaker gap (in.)		0.014 to 0.019
Com angle (deg.)		Auto.Trans: 30 to 34; Man.Trans: 27 to 32(1-set), 37 to 42(2-sets)
Breaker arm tensionOZ		Auto.Trans: 17 to 20; Man.Trans: 17 to 21.5
Distributor	Manual	3438522
	Automatic	3438517
Timing (c)	Manual	5 ⁰ BTC
	Automatic	5 ⁰ BTC

(c) Transmission in neutral, crankshaft degrees @ engine idle rpm (see page 10)
Distributor solenoid disengaged.

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. In. of Mercury	
	Start	Intermediate	Max.	Start	Max.
3438517	1 to 8 @ 1200	19 to 24 @ 2000	20 to 24 @ 4200	1 to 7 @ 9	14 to 20 @ 12.5
3438522	1 to 8 @ 1300	11 to 17 @ 1700	20 to 24 @ 4000	1 to 7 @ 7	14 to 20 @ 11

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-20-70 REVISED (•) 12-21-70

	225 CID	318 CID	383 CID 1,2-V	383 CID 340 CID 1,4-V	426 CID Hemi	440 CID Hi-Perf	3,2-V
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MODEL _____

ELECTRICAL – IGNITION SYSTEM

Type	Conventional – Std., Opt., N.A.		Std				
	Transistorized – Std., Opt., N.A.		NA				
	Other (specify)		--				
Coil	Make		Chrysler-Essex or Chrysler-Prestolite				
	Model		2444241		2444242		
	Amps	Engine stopped	3.0				
		Engine idling	1.9				
Spark Plug	Make	Mopar	P-6-6P	P-3-6P	P-3-4P(f)	--	P-3-4P
	Model	Champion	N-14Y	J-14Y	J-11Y(f)	N-10Y	J-11Y
	Thread (mm)		14 mm				
	Tightening torque (lb. ft.)		30 to 32				
	Gap		0.035				
Cable	Conductor type		Resistor				
	Insulation type		(a)	Synthetic rubber with Hypalon jacket			
	Spark plug protector		Hypalon	Silicon			

ELECTRICAL – SUPPRESSION

Locations & type	Resistance type spark plug and coil cables
------------------	--

ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speedometer	Type	In line drive pointer
	Trip odometer (std. opt., N.A.)	NA
Charge indicator – type		Ammeter
Temperature indicator – type		Electric thermal
Oil pressure indicator – type		Lights (b)
Fuel indicator – type		Electric thermal (c)
Windshield wiper	Type – Standard	Electric, two-speed
	Type – Optional	Electric, variable speed
Windshield washer	Type – Standard	Electric
	Type – Optional	--
Horn	Type	Four-inch sea shells (d)
	Number used	Two (e)
	Amp draw (each)	4-6 amp
Other		Brake system and parking brake warning light

- (a) Synthetic rubber with Neoprene jacket
 (b) Rallye cluster: electric thermal gage
 (c) Low fuel warning light optional
 (d) Road Runner: Beep-type, single horn
 (e) L price class: one horn standard, two horns optional
 (f) Mopar spark plug N/A 340 CID; Champion N-9Y only

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-20-70 REVISED (*)12-21-70

	225	340	383	426 Hemi
MODEL	CID	CID	CID	440 CID

DRIVE UNITS – CLUTCH (Manual Transmission)

Make & type		Auburn; Borg & Beck		Borg and Beck	
Type pressure plate springs		Coil			
Total spring load (lb.)		1375	1693(e)	2218	2563
No. of clutch driven discs		One			
Clutch facing	Material	Woven asbestos			
	Outside & inside dia.	9.25 x 6.00	10.5 x 6.5	11.0 x 6.5	11.0 x 7.0
	Total eff. area (sq.in.)	77	106.8	123.6	113.1
	Thickness	0.114	0.125	0.135	
	Engagement cushion- ing method	Two-piece cushion	Flat-wave springs		
Release bearing	Type & method of lubrication	Ball bearing, permanently lubricated			
Torsional damping	Methods: springs, friction material	Coil springs and friction washers			

DRIVE UNITS – TRANSMISSIONS

Manual 3-speed (std., opt. N.A.)	Std (a)	NA
Manual 4-speed (std., opt. N.A.)	NA (b)	Opt
Automatic (std., opt. N.A.)	Opt (c)	Std

DRIVE UNITS – MANUAL TRANS.

Number of forward speeds		3			4	
		225	318	340, 383, 1-4-V	(d)	
Transmission ratios	In first	2.95	3.08	2.55	2.47	2.44
	In second	1.83	1.70	1.49	1.77	
	In third	1.00			1.34	
	In fourth	--			1.00	
	In reverse	3.80	2.90	3.34	2.40	2.36
Synchronous meshing, specify gears		2, 3	1, 2, 3		1, 2, 3, 4	
Shift lever location		3-Speed: Steering column or floor 4-Speed: Floor or console				
Lubricant	Capacity (pt.)	6.5	4.75		7.5	
	Type recommended	DEXRON automatic transmission fluid				
	SAE viscosity number	Summer NA				
		Winter NA				
		Extreme cold NA				

(a) NA: 383 1,2-V

(b) Opt: 383 1,4-V

(c) Std: 383 1,2-V

(d) 426 Hemi, 440 Hi-Perf, 440 3,2-V

(e) 340 CID: 2181

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-20-70 REVISED (*)12-21-70

MODEL	225	318	383 CID	383 CID	426	440 CID
	CID	CID	2-V	340 CID 4-V	Hemi	Hi-Perf; 3, 2-V

DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name	TorqueFlite					
Type describe	Torque converter with automatically-operated planetary gear transmission					
Selector location	Lever: steering column or console-mounted					
List gear ratios Selector Pattern and indicate which are used in each selector position	Reverse: 2.20 Drive : 2.45, 1.45, 1.00 2 : 2.45, 1.45 1 : 2.45					
Max. upshift speed—drive range	78	89	95	73	84	74
Max. kickdown speed—drive range	70	81	87	67	77	67
Torque converter	Number of elements	Three				
	Max. ratio at stall	2.16:1	2.02:1	2.16:1	2.02:1	
	Type of cooling (air, liquid)	Liquid				
Lubricant	Nominal diameter	10.75	11.75	10.75	11.75	
	Capacity—refill (pt.)	17.0	19.0	16.3	16.8	19.0
	Type recommended	DEXRON automatic transmission fluid				
Special transmission features	Part-throttle kickdown(3-2)					--

DRIVE UNITS – PROPELLER SHAFT

Number used	One					
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Internal vibration absorber					
Outer diam. x length* x wall thickness	Manual 3-speed trans.	4-DR	3.00 x 57	3.25 x 53	--	3.25 x 53
		2-DR	3.00 x 55	3.25 x 51	--	3.25 x 51
	Manual 4-speed trans.	4-DR	--	--	3.25 x 53	--
		2-DR	--	--	3.25 x 51	3.25 x 50
	Overdrive transmission		NA			
	(a) Automatic transmission	4-DR	3.00 x 57	3.25 x 57	3.25 x 53	3.25 x 53
		2-DR	3.00 x 55	3.25 x 51	3.25 x 51	3.25 x 51
	(b)					

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

(Continued)

(a) Wall thickness is 0.065 for all propeller shafts

(b) All lengths to nearest inch

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-20-70 REVISED (a) 12-21-70

MODEL	225 CID	318 CID	340, 383 CID	426 CID 440 CID
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DRIVE UNITS – PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	None		
	Lubrication (fitting, prepack)	None		
Slip Yoke	Type	Sliding spline		
	Number of teeth	25	25 (a) 29 (b)	29
	Spline O.D.	1.156	1.156 (a) 1.325 (b)	1.325
Universal joints	Make and Mfg. No. Chrysler	7260	7260 (a) 7290 (b)	7290
	Number used	Two		
	Type (ball and trunnion, cross)	Cross		
	Rear attach. (u-bolt, clamp, etc.)	C-clamp		
	Bearing	Anti-friction		
Drive taken through (torque tube or arms, springs)		Rear springs		
Torque taken through (torque tube or arms, springs)		Rear springs		

DRIVE UNITS – AXLE

Type (front, rear)	Rear		
Description	Carrier Housing	Unitized	Separable
	Ring Gear	8-1/4 O.D.	9-3/4 O.D.
Limited Slip differential, type	None	Friction bias	
Drive Pinion Offset	1.85	1.50	1.125
No. of differential pinions	2		4
Pinion adjustment (shim, other)	Shim		Washer
Pinion bearing adj. (shim, other)	Collapsible spacer		Shims
Wheel bearing type	St. roller	Tapered roller	
Lubricant	Capacity (pt.)	4	
	Type recommended	MIL-L-2105B 2933565	
	SAE viscosity	Above -10°F..... SAE 90	
	SAE number	Between -10°F and -30°F... SAE 80	
		Below -30°F..... SAE 75	

AXLE RATIO TOOTH COMBINATIONS

(See page 4 for axle ratio usage)

Axle ratio	2.45	2.71	2.76	2.94	3.21	3.23	3.54	3.55	3.91	4.10
No. of Pinion	20	17	16	14	13	11	10	9	8	7
teeth Ring gear	49	46	47	47	45	42	46	39	43	41
Ring Gear O.D.	8-1/4	8-3/4	8-3/4	8-1/4	8-3/4	9-3/4	8-3/4	9-3/4	8-3/4	9-3/4

(a) Automatic transmission

(b) Manual transmission

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-20-70 REVISED ^(*)12-22-70

MODEL	225 CID LH-21, 23, 41		340 H-23;318 LHP-23, 41;	340 CID 383 CID	426,440 CID 440 3,2-V	All Engines Station Wagon
	318 CID L-21		383, 2V & 4V LHP-21, 23, 41	1,4-V M-23	M, S-23	
DRIVE UNITS – WHEELS						
Type & material			Disc, steel			
Rim (size & flange type)	Std.	14 x 5.0 J		14 x 6.0 JJ		14 x 5.5 JJ
	Opt.	14 x 5.5 JJ		14 x 5.0 J	15 x 7.0 JJ	--
		15 x 7.0 JJ		15 x 7.0 JJ		
Attachment	Type (bolt or stud)		Stud			
	Circle diameter		4.5			
	Number and size		Five, 1/2-20 NF			

MODEL _____

DRIVE UNITS - TIRES

	Size, Ply, Load Range		E78 x 14 2B/2	F78 x 14 2B/2	F70 x 14 2B/2	G70 x 14 2B/2	H78 x 14 2B/2
	Type (bias, radial, etc.)		Bias with belt				
Standard	Full rated Inflation Press.	Front	30	28	28	26	22
		Rear	30	28	28	26	32
	Rev./Mile at 45 mph		800	784	795	784	749
Optional	Size, Ply, Load Range (a)		F78 x 14	F70 x 14	F78 x 14	G60 x 15	--
			F70 x 14	G78 x 14	G78 x 14	G78 x 14(d)	
			G78 x 14	G70 x 14	G70 x 14		
			G70 x 14	G60 x 15(b)	G60 x 15		
			G60 x 15(c)	H78 x 14			
			H78 x 14				

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 sepa- rate from service brakes	Type (internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--

- (a) Ply rating and ply for all tires: 2B/2
 (b) NA on 4-door sedan
 (c) Available on 318 CID L-21 only
 (d) NA 426 CID

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-21-70 REVISED ^(*) 12-22-70

MODEL 225, 318, 340, 426, 440 Hi-Perf
383 2 & 4-V 440 3, 2-V
Ex "M-23"; 45, 46 "M-23", 45, 46 45, 46 All
 Exc 45, 46

BRAKES – SERVICE

Type (drum) or (disc & no. of pistons)	Drum		Disc, one		
Self adjusting (std., opt., N.A.)	Std				
Special Valving	Type (proportion, delay, metering, other)	--		Front: metering; Rear : proportioning	
Power brake make & type (remote, int., etc.)	Std.	--		Tandem	
	Opt.	Integral		--	
Effective area (sq. in.) *	195.2	234.1	146.5	138.12	
Gross lining area (sq. in.) **	195.2	234.1	146.5	138.12	
Swept area (sq. in.) ***	314.2	380.1	376.4	357.98	
Front to Rear Effectiveness Relationship	Front 60; Rear 40				
Drum	Diameter (nominal)	Front	10	11	--
		Rear	10	11	10
	Type and material	Centrifuse or cast composite, cast iron			--
Rotor	Outer working diameter	--			10.72
	Inner working diameter	--			7.14
	Working width	--			1.79
	Material & type (vented/solid)	--			Vented; cast iron
Wheel cylinder bore	Front	1.187			2.75
	Rear	0.9375			
Master Cylinder	Bore	1.03 (a)			
	Stroke	1.00			1.145 (b)
Pedal arc ratio	Manual: 6.64 Power: 3.18				
Line pressure at 100 lb. pedal load	800			1100	
Shoe Clearance	Front	No major adjustment required			
	Rear	"			
Anti-skid device type (std., opt., N.A.)	NA				
Brake lining	Bonded or riveted	Bonded			
	Material	Molded asbestos			
	Front Wheel	Size (length x width x thickness)	Prim. or out-board	8.46 x 2.5 x 0.19	9.31 x 3.00 x 0.19
			Second. or in-board	11.06 x 2.5 x 0.24	11.97 x 3.00 x 0.24
		Segments per shoe	One		
		Material	Molded asbestos		
	Rear Wheel	Size (length x width x thickness)	Prim. or out-board	8.46 x 2.5 x 0.19	8.46 x 2.5 x 0.19
			Second. or in-board	11.06 x 2.5 x 0.24	11.06 x 2.5 x 0.19
		Segments per shoe	One		
		Material	Molded asbestos		

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

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

(a) 426 CID: Disc 1.125

(b) 426 CID: 1.135

(c) Area x Thickness

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-21-70 REVISED (*)12-22-70

MODEL	21, 23	41, 45, 46
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STEERING

Manual (std., opt., NA)		Std	
Power (std., opt., NA)		Opt	
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt	
	(std., opt., NA)	Opt (a)	
Wheel diameter	Manual	16.0	
	Power	16.0	
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	44.4
		Curb to curb (l. & r.)	41.6
	Inside rear	Wall to wall (l. & r.)	24.5
		Curb to curb (l. & r.)	25.2
Manual	Gear	Type	Recirculating ball
		Make	Chrysler
		Ratios	24.0:1
		Overall	28.6:1
	No. wheel turns (stop to stop)		5.3
	Type (coaxial, linkage, etc.)		Integral
Power	Gear	Make	Chrysler
		Type	Recirculating ball
		Ratios	15.7:1
		Overall	18.7:1
	Pump driven by		Belt from crankshaft pulley
	No. wheel turns (stop to stop)		3.5
Linkage	Type		Parallelogram, trailing, equal length tie rods
	Location (front or rear of wheels, other)		Rear
	Drag link (trans. or longit.)		Transverse center link
	Tie rods (one or two)		Two
Steering Axis	Inclination of camber (deg.)		7.5 @ 0
	Bearings (type)	Upper	Ball joint
		Lower	Ball joint
	Thrust		Oil impregnated metal
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)		Manual steering: $-1/2 \pm 1/2$ Power steering: $+3/4 \pm 1/2$
	Camber (deg.)		Left: $+1/2 \pm 1/4$ Right: $+1/4 \pm 1/4$
	Toe-in (outside track inches)		$1/8" \pm 1/32"$
Steering spindle & joint type		Ball joint	
Wheel Spindle	Diameter	Inner bearing	1.2494
		Outer bearing	0.7494
	Thread size		3/4-16 UNF-3A
Bearing type		Roller	

(a) Not offered GTX

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-21-70 REVISED (•) 12-22-70

MODEL	225	340, 318, 383 2-V & 4-V	340, 383 4-V RM	426 Hemi 440 Hi-Per 440 3,2-V	All 45,46
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SUSPENSION – GENERAL

(See Supplement 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	Type	Direct
	Make	Chrysler
	Piston dia.	1.0 inch
Other special features		None

SUSPENSION – FRONT

Type and description		Independent, lateral, nonparallel control arms with torsion bars				
Spring	Type	Torsion bar				
	Material	Chromium alloy steel				
	Size (coil design height & I.D.; bar length x dia.)	41 x 0.86	41 x 0.88	41 x 0.90	41 x 0.92	41 x 0.86
	Spring rate (lb. per in.)	NA				
	Rate at wheel (lb. per in.)	95	102	111	118	95
Stabilizer	Type (link, linkless, frameless)	Opt		Std		
	Link	Spring steel; 0.88				
Material & bar diameter						

SUSPENSION – REAR

Type and description		Parallel, longitudinal leaf			
Drive and torque taken through		Rear springs			
Spring	Type	Semielliptic, asymmetrical			
	Material	Chromium alloy steel			
	Size (length x width, coil design height & I.D.; bar length & dia.)	58 x 2-1/2			
	Spring rate (lb. per in.)	90	113	130	113
	Rate at wheel (lb. per in.)	110	138	150	138
	Mounting insulation type		Rubber		
	If leaf	No. of leaves	4-1/2		6 (a)
	Shackle (comp. or tens.)	Compression			
Stabilizer	Type (link, linkless, frameless)	None			
	Material	--			
Track bar type		None			

(a) Right side: 5 plus 2 half leaves

FRAME

Unit construction

[illegible]

ZZ: Zig Zag

AMA Specifications Form—Passenger Car

Page 24

Page 24

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-21-70 REVISED (*)

MODEL

ALL MODELS

CONVENIENCE EQUIPMENT

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

Power windows	Side windows	Opt
	Vent windows	NA
	Backlight or tailgate	Opt: station wagon
Power seats (specify type as well as availability)		NA
Reclining front seat back (R-L or both)		NA
Front seat head restrainer (R-L or both)		Std, both
Radios (specify type as well as availability)		AM; AM with stereo tape; AM/FM multiplex with stereo tape; AM/FM multiplex
Car seat speaker		Opt
Power antenna		NA
Clock		Opt
Air conditioner (specify type and availability)		Opt: front unit with heater
Speed warning device		NA
Speed control device		Opt
Ignition lock lamp		Opt
Dome lamp		Std
Glove compartment lamp		Opt
Luggage compartment lamp		Opt
Underhood lamp		Opt: dealer installed
Courtesy lamp & Map lamp		Opt: dealer installed
Map lamp		Opt
Auto, trans, quad, lamp		Std with automatic transmission
Cornering light lamp		NA
Shoulder belts		Front: Std Rear: Opt
Tachometer		Opt
Rear window defogger		Opt
6-way manual seat adj.		Opt: bucket seats
Remote control outside		Opt
Mirror		

LAMP HEIGHT AND SPACING

			21, 23	41	45, 46
Height above ground to center of bulb or marker	Headlamp	Highest *	24.6	26.7	27.0
		Lowest	24.6	26.7	27.0
	Tail	Highest	20.1	22.8	29.3
		Lowest	20.1	22.8	29.3
	Sidemarker	Front	25.9		26.4
		Rear	23.7	24.4	31.2
Distance from C. L. of car to center of bulb	Headlamp	Inside	20.12	22.55	
		Outside *	26.87	29.85	
	Tail	Inside	15.50	--	--
		Outside	24.96	28.18	34.10
	Directional	Front	12.05	15.00	
		Rear	15.50; 24.96	28.18	34.10

* If single headlamps are used enter here.

VEHICLE WEIGHTS

[illegible]

Note: All curb weights include automatic transmission.

AMA Specifications Form—Passenger Car

MAKE OF CAR PLYMOUTH SATELLITE MODEL YEAR 1971 DATE ISSUED 8-21-70 REVISED (*)1-11-71

VEHICLE WEIGHTS

	CURB WEIGHT * POUNDS			% PASS. WEIGHT DISTRIBUTION				LIQUID WEIGHT	
	Front	Rear	Total	Pass. In Front Front	Pass. In Front Rear	Pass. In Rear Front	Pass. In Rear Rear	Fuel	Coolant
Model									
<u>V-8 Models</u>									
<u>SATELLITE</u>									
2-Door Coupe	1830	1560	3390	47.6	52.4	20.6	79.4	126	36
4-Door Sedan	1825	1610	3435	48.7	51.3	20.4	79.6	126	36
Station Wagon 2-Seat	1750	2135	3885	48.7	51.3	20.4	79.6	120	36
<u>SATELLITE SEBRING</u>									
2-Door Hardtop	1835	1580	3415	47.6	52.4	20.6	79.4	126	36
<u>SATELLITE CUSTOM</u>									
4-Door Sedan	1830	1610	3440	48.7	51.3	20.4	79.6	126	36
Station Wagon 2-Seat	1745	2140	3885	48.7	51.3	20.4	79.6	120	36
Station Wagon 3-Seat	1740	2205	3945	48.7	51.3	20.4	79.6	120	36
<u>ROAD RUNNER</u>									
2-Door Hardtop	2040	1640	3680	47.6	52.4	20.6	79.4	126	32
<u>SATELLITE SEBRING PLUS</u>									
2-Door Hardtop	1840	1580	3420	47.6	52.4	20.6	79.4	126	36
<u>SATELLITE BROUGHAM</u>									
4-Door Sedan	1825	1615	3440	48.7	51.3	20.4	79.6	126	36
<u>SATELLITE REGENT</u>									
Station Wagon 2-Seat	1745	2135	3880	48.7	51.3	20.4	79.6	120	36
Station Wagon 3-Seat	1745	2205	3950	48.7	51.3	20.4	79.6	120	36
<u>GTX</u>									
2-Door Hardtop	2075	1685	3760	47.6	52.4	20.6	79.4	126	34

*Reference - SAE Aerospace-Automotive drawing standards, Section E 1.02 (d).

Note: All curb weights include automatic transmission.

OPTIONAL EQUIPMENT WEIGHTS

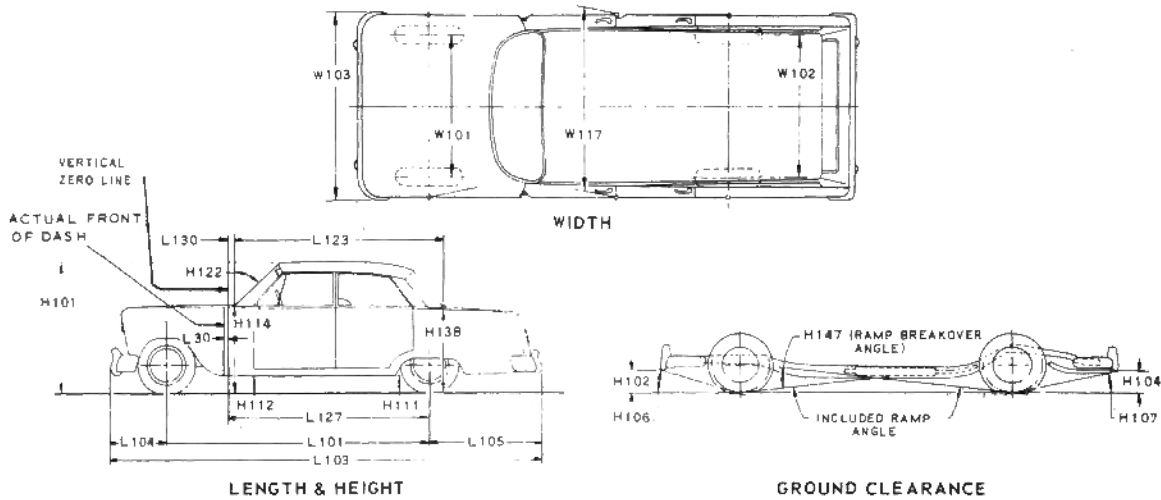
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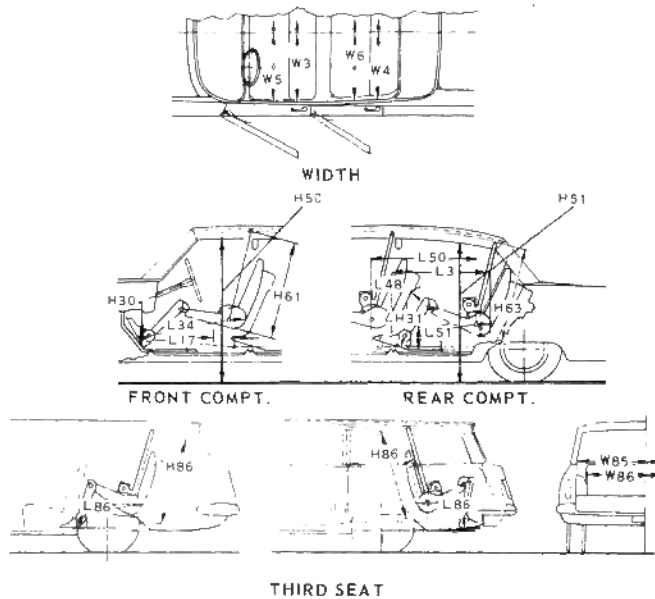
CAR AND BODY DIMENSIONS

KEY SHEET

EXTERIOR CAR AND BODY DIMENSIONS



INTERIOR CAR AND BODY DIMENSIONS



CAR AND BODY DIMENSIONS

KEY SHEET

DIMENSION DEFINITIONS

EXTERIOR WIDTH DIMENSIONS

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

EXTERIOR LENGTH DIMENSIONS

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

EXTERIOR HEIGHT DIMENSIONS

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

GROUND CLEARANCE DIMENSIONS

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

- H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

FRONT COMPARTMENT DIMENSIONS

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

FRONT COMPARTMENT DIMENSIONS (Cont.)

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

REAR COMPARTMENT DIMENSIONS

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

LUGGAGE COMPARTMENT DIMENSIONS

- V 1 LUGGAGE CAPACITY — USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.
- H195 LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

STATION WAGON — THIRD SEAT DIMENSIONS

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

STATION WAGON — CARGO SPACE DIMENSIONS

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

W4xL204xH201

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