

**AMA specifications form - passenger car; Plymouth Barracuda. 1970.
Revised
1970.**

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AMA Specifications—Passenger Car

HSR
14081

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A16

MANUFACTURER	CHRYSLER-PLYMOUTH DIVISION CHRYSLER CORPORATION	CAR NAME	PLYMOUTH BARRACUDA
MAILING ADDRESS	DETROIT, MICHIGAN 48231	MODEL YEAR	1970
		ISSUED: 9-3-69	REVISED (●) 6-9-70

NOTES:

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

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BODY — TYPES AND STYLE NAMES —

Body type, style names; use manufacturer's code for series & body style.

		2-Door Hardtop	2-Door Convertible
		23	27
Barracuda	Six	BH 23	BH 27
	V-8		
Gran Coupe	Six	BP 23	BP 27
	V-8		
'Cuda	V-8	BS 23	BS 27

Highway Safety
Research Institute

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PLYMOUTH
MAKE OF CAR BARRACUDA MODEL YEAR 1970 DATE ISSUED 9-3-69 REVISED (a) 6-9-70

CAR AND BODY DIMENSIONS

See Pages 25, 26 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.	BH, BP		BH, BP		BS	
		6-Cyl		V-8			
		23	27	23	27	23	27

WIDTH

Track – Front	W101	59.7
Track – Rear	W102	60.7 (a)
Maximum overall car width	W103	74.9
Body width at No. 2 pillar	W117	74.7

LENGTH

Body "O" to front of dash	L 30	0.7					
Wheelbase	L101	108					
Overall car length	L103	186.7					
Overhang – front	L104	37.3					
Overhang – rear	L105	41.4					
Body upper structure length	L123	91.4	92.0	91.4	92.0	91.4	92.0
Body "O" line to C of rear wheel	L127	91.5					
Body "O" line to w/s cowl point	L130	-9.4					

HEIGHT

Passenger Distribution (front & rear)			2-front, 2-rear					
Trunk/Cargo load (lbs.)			None					
Overall height		H101	50.8	50.6	50.9	50.6	51.2	50.9
Cowl height		H114	34.3					
Deck height		H138	36.6				36.9	
Rocker panel – front	To ground	H112	7.5					
	From front wheel ℄		31.5					
Rocker panel – rear	To ground	H111	7.6	7.7	6.8	7.7	5.4	4.8
	From rear wheel ℄		16.5					
Windshield slope angle		H122	55° 28'					

GROUND CLEARANCE

Bumper to ground – front	H102	11.5	11.6	11.8
Bumper to ground – rear	H104	19.1		19.4
Angle of approach	H106	18.0	18.2	18.5
Angle of departure	H107	26.4		26.7
Ramp breakover angle	H147	10.7	10.9	11.6
Min. running clearance (Specify) (b)	H156	5.0		5.4

(a) With 225 CID or 318 CID with automatic transmission: 61.3

(b) Frame structure to ground

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PLYMOUTH
 MAKE OF CAR BARRACUDA MODEL YEAR 1970 DATE ISSUED 9-3-69 REVISED (*) 6-9-70

CAR AND BODY DIMENSIONS

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

MODEL	SAE Ref. No.	23	27
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FRONT COMPARTMENT

Effective head room	H61	37.4	38.1
Max. eff. leg room — accelerator	L34	42.3	
H Point to Heel point	H30	7.3	
H Point travel	L17	5.6	
Shoulder room	W 3	57.5	
Hip room	W 5	57.1	
Upper body opening to ground	H50	46.2	46.9

REAR COMPARTMENT

H Point couple distance	L50	27.2	
Effective head room	H63	35.7	35.9
Min. effective leg room	L51	28.9	
H Point to Heel point	H31	9.7	
Min. knee room	L48	-0.7	
Rear Compartment room	L 3	20.1	19.6
Shoulder room	W 4	55.3	54.2
Hip room	W 6	52.0	50.5
Upper body opening to ground	H51		

LUGGAGE COMPARTMENT

Usable luggage capacity	V 1	5.9	
Liftover height	H195	32.5 (a)	
Position of spare tire storage		Floor	
Method of holding lid open		Torsion bar	

STATION WAGON — THIRD SEAT

Shoulder Room	W85		
Hip room	W86		
Effective leg room	L86		
Effective head room	H86		
Seat facing direction			

STATION WAGON — CARGO SPACE

Cargo length at floor — front seat	L202		
Cargo length at belt — front seat	L204		
Cargo width — Wheelhouse	W201		
Opening width at belt	W204		
Maximum cargo height	H201		
Rear opening height	H202		
Cargo volume index (cu. ft.) W4 x L204 x H201 1728	V2		

(a) 'Cuda: 32.9

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POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY		ENGINE					TRANSMISSION	AXLE RATIO (a) (Std. first) (Indicate A/C ratio)
		Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		
6-Cyl	Std H & P	225	1, 1-V	8.4	145 @ 4000	215 @ 2400	Manual 3-Speed	3.23
							Automatic	2.76*, 3.23
V-8	Std H & P	318	1, 2-V	8.8	230 @ 4400	320 @ 2000	Manual 3-Speed	3.23
							4-Speed	3.23
							Automatic	2.76*, 3.23
	Opt S	340	1, 4-V	10.5	275 @ 5000	340 @ 3200	Manual 3-Speed	3.23
							4-Speed	3.23, 3.55**, 3.91**
							Automatic	3.23, 3.55**, 3.91**
	Opt H & P	383	1, 2-V	8.7	290 @ 4400	390 @ 2800	Automatic	2.76*, 3.23
	Opt H & P	383	1, 4-V	9.5	330 @ 5000	425 @ 3200	Manual 3-Speed	3.23
				10.5	335 @ 5200	425 @ 3400	4-Speed	3.23, 3.55**, 3.91**
	Std S						Automatic (b)	3.23, 3.55**, 3.91**
	Opt 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**
		440	1, 4-V	9.7	375 @ 4600	480 @ 3200	Manual 4-Speed	3.54**, 4.10**
							Automatic	3.23, 3.55**, 4.10**
		440	3, 2-V	10.5	390 @ 4700	490 @ 3200	Manual 4-Speed	3.54**, 4.10**
							Automatic	3.23, 3.55**, 4.10**

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

(b) Axle ratio 2.76: STD H & P

* SURE-GRIP NA

** SURE-GRIP only

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PLYMOUTH	MODEL YEAR	1970	DATE ISSUED	9-4-69	REVISED (a)
MAKE OF CAR	BARRACUDA	See Page 3 for Engine Usage			
MODEL	1, 2-V	383 CID	1, 4-V	Hi-Perf	

ENGINE – GENERAL

Type, no. cyls., valve arr.		90° V-8, OHV		
Bore and stroke (nominal)		4.25 x 3.38		
Piston displacement, cu. in.		383		
Bore spacing (C to C)		4.8		
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)		8.7:1	9.5:1	10.5:1
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	$\frac{\text{Dia}^2 \times \text{No. Cyl.}}{2.5}$	57.8		
Publishing max. bhp* @ eng. RPM		290 @ 4400	330 @ 5000	335 @ 5200
Publishing max. torque * (lb. ft. @ RPM)		390 @ 2800	425 @ 3200	425 @ 3400
Recommended fuel regular – premium		Regular	Premium	

ENGINE – PISTONS

Material	Aluminum alloy		
Description and finish	Closed slipper-type, steel strut, elliptically turned, tin-plated		
Weight (piston only) oz.	27.2		
Clearance (limits)	Top land	0.022 min.	
	Skirt	Top	0.00025 to 0.00125
		Bottom	-0.00125 to +0.00125
Ring groove depth	No. 1 ring	0.220	
	No. 2 ring	0.220	
	No. 3 ring	0.228	
	No. 4 ring		

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

AMA Specifications—Passenger Car

PLYMOUTH MAKE OF CAR BARRACUDA		MODEL YEAR 1970	DATE ISSUED 9-3-69	REVISED (•)
		See Page 3 for Engine Usage		
MODEL	225 CID	318 CID	340 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	4.04 x 3.31
Piston displacement, cu. in.	225	318	340
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	
Compres. ratio (nominal)	8.4:1	8.8:1	10.5:1
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° 06' Inclined rear to front: 2° 30' to 3°		
Taxable horsepower	Dia ² xNo. Cyl. 2.5	27.7	48.9
Publishing max. bhp* @ eng. RPM	145 @ 4000	230 @ 4400	275 @ 5000
Publishing max. torque * (lb. ft. @ RPM)	215 @ 2400	320 @ 2000	340 @ 3200
Recommended fuel regular – premium	Regular		Premium

ENGINE – PISTONS

Material	Aluminum alloy		
Description and finish	Closed slipper type, steel strut, elliptically turned, tin-plated		Open slipper type
Weight (piston only) oz.	16.4	20.9	25.4
Clearance (limits)	Top land	0.024 min.	0.018 min.
	Skirt	Top	0.0005 to 0.0015
		Bottom	-0.0005 to +0.0015
Ring groove depth	No. 1 ring	0.179	0.205
	No. 2 ring	0.179	0.205
	No. 3 ring	0.181	0.193
	No. 4 ring	--	0.198

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

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

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PLYMOUTH		BARRACUDA		MODEL YEAR	1970	DATE ISSUED	9-4-69	REVISED (•)	
MAKE OF CAR				See Page 3 for Engine Usage					
MODEL		225 CID		318 CID		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 radius faced, tin-plate	(a)
		#2	Cast iron, reverse twist and taper, lubrite-coated	
	Width		0.078	
	Gap		0.010 to 0.020	0.013 to 0.023
Oil	Description - material, coating, etc.		3-piece abutment-type, stainless steel spacer-expanded 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	
Diameter		0.9008	0.9842	
Type	Locked in rod, in piston, floating, etc.		Press-fit in rod	Floating
	Bush- ing	In rod or piston	None	Rod
		Material	--	Bronze on steel
Clearance	In piston		0.00045 to 0.00075	0.0000 to 0.0005
	In rod		(b)	0.0001 to 0.0006
Direction & amount offset in piston		Right 0.06		

ENGINE – CONNECTING RODS

Material		Drop-forged steel		
Weight (oz.)		26.8	25.6	26.7
Length (center to center)		6.699	6.123	
Bearing	Material & Type		Lead-base babbitt on steel	Bi-metal grid Tri-metal
	Overall length		0.985	0.843
	Clearance (limits)		0.0005 to 0.0025	0.0002 to 0.0027
	End play		0.006 to 0.012	0.006 to 0.014 (2 rods)

(a) Cast iron, twist and barrel-lap face, moly-filled.

(b) 0.0007 to 0.0014 interference.

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PLYMOUTH		MODEL YEAR 1970		DATE ISSUED 9-4-69	REVISED (*)
MAKE OF CAR BARRACUDA		See Page 3 for Engine Usage			
MODEL		426 CID Hemi	440 CID		
			Hi-Perf	3, 2-V	

ENGINE – GENERAL

Type, no. cyls., valve arr.	90 V-8, OHV		
Bore and stroke (nominal)	4.25 x 3.75	4.32 x 3.75	
Piston displacement, cu. in.	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)	10.2:1	9.7:1	10.5:1
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° 06' inclined rear to front: 2° 30' to 3°		
Taxable horsepower	$\frac{\text{Dia}^2 \times \text{No. Cyl.}}{2.5}$ 57.8	59.7	
Publishing max. bhp* (@ eng. RPM)	425 @ 5000	375 @ 4600	390 @ 4700
Publishing max. torque * (lb. ft. @ RPM)	490 @ 4000	480 @ 3200	490 @ 3200
Recommended fuel regular – premium	Premium		

ENGINE – PISTONS

Material	Aluminum alloy		
Description and finish	Forged, elliptically turned, tin-plated	Closed slipper-type, steel strut, elliptically turned, tin-plated	
Weight (piston only) oz.	29.7	30.2	
Clearance (limits)	Top land	0.022 min.	
	Skirt Top	0.00025 to 0.00125	
	Bottom	-0.00125 to +0.00125	
Ring groove depth	No. 1 ring	0.215	0.224
	No. 2 ring	0.215	0.224
	No. 3 ring	0.191	0.193
	No. 4 ring	--	

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

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MAKE OF CAR	PLYMOUTH BARRACUDA	MODEL YEAR	1970	DATE ISSUED	9-4-69	REVISED (a)
See Page 3 for Engine Usage						
MODEL	426 CID, Hemi	440 CID	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		
Compression	Description - material, coating, etc.	#1	(a)	(b)	(a)
		#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 segments		(c)
	Width		0.188		0.113
	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	In rod or piston	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)	0.0010 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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PLYMOUTH
MAKE OF CAR BARRACUDA **MODEL YEAR** 1970 **DATE ISSUED** 9-4-69 **REVISED** (•)
 See Page 3 for Engine Usage
MODEL 383 CID All

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, reverse twist and radius faced, tin-plated
	material, coating, etc. #2	Cast iron, reverse twist and taper, tin-plated
	Width	0.078
	Gap	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		3.565
Diameter		1.0936
Type	Locked in rod, in piston, floating, etc.	Press-fit in rod
	Bush- In rod or piston	None
	ing Material	--
Clearance	In piston	0.00045 to 0.00075
	In rod	0.0007 to 0.0014 interference
Direction & amount offset in piston		Right 0.09

ENGINE – CONNECTING RODS

Material		Drop-forged steel
Weight (oz.)		28.6
Length (center to center)		6.358
Bearing	Material & Type	Tri-metal
	Overall length	0.927
	Clearance (limits)	0.0007 to 0.0032
	End play	0.009 to 0.017 (2 rods)

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PLYMOUTH MAKE OF CAR BARRACUDA	MODEL YEAR 1970	DATE ISSUED 9-5-69	REVISED (•)
See Page 3 for Engine Usage			
MODEL	383 CID All		

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		Lead-base babbitt on steel, removable precision
	Clearance		0.0005 to 0.0025 specified, 0.0005 to 0.0015 desired
	Journal dia. and bearing overall length	No. 1	2.625 x 0.944
		No. 2	2.625 x 0.944
		No. 3	2.625 x 1.223
		No. 4	2.625 x 0.944
		No. 5	2.625 x 0.944
		No. 6	--
		No. 7	--
Dir. & amt. cyl. offset		None	
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	Lead base babbitt on steel	
	Number	Five	
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		Nylon-coated aluminum
	Timing chain	No. of links	50
		Width	.75
		Pitch	.50

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

(Continued)

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PLYMOUTH		MODEL YEAR 1970		DATE ISSUED 9-5-69		REVISED (•)	
MAKE OF CAR BARRACUDA		See Page 3 for Engine Usage					
MODEL		225 CID		318 CID		340 CID	

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		(a)
	Clearance		0.005 to 0.0025 specified, 0.005 to 0.0015 desired		
	Journal dia. and bearing overall length	No. 1	2.75 x 1.034	2.5 x 0.872	
		No. 2	2.75 x 1.034	2.5 x 0.872	
		No. 3	2.75 x 1.254	2.5 x 1.151	
		No. 4	2.75 x 1.034	2.5 x 0.872	
		No. 5	--	2.5 x 1.562	
		No. 6	--		
		No. 7	--		
Dir. & amt. cyl. offset		None			
Crankpin journal diameter			2.187	2.125	

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 Double-roller chain
	Crankshaft gear or sprocket material		Malleable cast iron or sintered iron (Super Oilite) Steel
	Camshaft gear or sprocket material		Nylon-coated aluminum Cast iron
	Timing chain	No. of links	50 68
		Width	.88 .63 .87
		Pitch	.50 .375

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	.010	Hydraulic
	Exhaust	.020	Hydraulic

(Continued)

- (a) Aluminum alloy on steel, removable, precision, except
No. 5 lead-base babbitt on steel

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PLYMOUTH
MAKE OF CAR BARRACUDA MODEL YEAR 1970 DATE ISSUED 9-8-69 REVISED (•)

See Page 3 for Engine Usage

MODEL

225 CID

318 CID

340 CID

ENGINE – VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	10		22	
		Closes (°ABC)	50		66	
		Duration - deg.	240		268	
	Exhaust	Opens (°BBC)	50	58	74	
		Closes (°ATC)	6	10	22	
		Duration - deg.	236	248	276	
	Valve opening overlap		16	20	44	
Intake	Material		SAE 1041		Silchrome XB	
	Overall length		4.77	4.97	4.99	
	Actual overall head dia.		1.62	1.78	2.02	
	Angle of seat & face		Seat: 44.5 to 45.0; valve: 45.0 to 45.5			
	Seat insert material		None			
	Stem diameter		0.372 to 0.373			
	Stem to guide clearance		0.001 to 0.003			
	Lift (⊘ zero lash)		0.397	0.372	0.430	
	Outer spring press. & length	Valve closed (lb. ⊘ in.)	63 @ 1.65	92 @ 1.65	96 @ 1.65	
		Valve open (lb. ⊘ in.)	156 @ 1.26	189 @ 1.28	242 @ 1.21	
	Inner spring press. & length	Valve closed (lb. ⊘ in.)	None		Surge damper	
		Valve open (lb. ⊘ in.)	None		Surge damper	
	Exhaust	Material		21-2N	21-4N	
		Overall length		4.80	5.00	
		Actual overall head dia.		1.36	1.50	1.60
Angle of seat & face		Seat: 44.5 to 45.0; valve 45.0 to 45.5				
Seat insert material		None				
Stem diameter		0.371 to 0.372				
Stem to guide clearance		0.002 to 0.004				
Lift (⊘ zero lash)		0.393	0.400	0.445		
Outer spring press. & length		Valve closed (lb. ⊘ in.)	63 @ 1.65	92 @ 1.65	96 @ 1.65	
		Valve open (lb. ⊘ in.)	156 @ 1.26	189 @ 1.25	244 @ 1.20	
Inner spring press. & length		Valve closed (lb. ⊘ in.)	None		Surge damper	
	Valve open (lb. ⊘ in.)	None		Surge damper		

ENGINE – LUBRICATION SYSTEM

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

(Continued)

AMA Specifications—Passenger Car

PLYMOUTH		MODEL YEAR 1970		DATE ISSUED 9-8-69		REVISED (•)	
MAKE OF CAR BARRACUDA		See Page 3 for Engine Usage					
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)	Lead-base babbitt on steel, removable, precision, tin alloy on steel (#3 main only) (b)	
	Clearance		0.0015 to 0.0025	(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		
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		Copper lead on steel	Lead-base babbitt on steel	
	Number			Five	
Type of Drive	Gear or chain		Double-roller chain	Chain	
	Crankshaft gear or sprocket material		Steel	Malleable cast iron or sintered iron (Super Oilite)	
	Camshaft gear or sprocket material		Cast iron	Nylon-coated aluminum	
	Timing chain	No. of links	66	50	
		Width	.75	.75	
		Pitch	.50	.50	

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	

(Continued)

- (a) Tri-metal: steel back, copper-lead, intermediate layer of high-lead overplate
 (b) 440 CID, 3, 2-V: all main bearings tin alloy on steel
 (c) 0.0005 to 0.0025 specified, 0.0005 to 0.0015 desired

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA **MODEL YEAR** 1970 **DATE ISSUED** 9-8-69 **REVISED** (•) 6-9-70

See Page 3 for Engine Usage

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

ENGINE – VALVE SYSTEM (cont.)

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	
Intake	Valve opening overlap		60	46
	Material		Silchrome XB	SAE 1041
	Overall length		5.41	4.87
	Actual overall head dia.		2.25	2.08
	Angle of seat & face deg.		Seat: 44.5 to 45.0; valve: 45.0 to 45.5	
	Seat insert material		None	
	Stem diameter		0.3085 to 0.3095	0.3723 to 0.3730
	Stem to guide clearance		0.0002 to 0.004	0.0010 to 0.0027
	Lift (• zero lash)		0.490	0.450
	Outer spring press. & length	Valve closed (lb. • in.)	115 @ 1.86	105 @ 1.86
		Valve open (lb. • in.)	310 @ 1.37	234 @ 1.40
	Inner spring press. & length	Valve closed (lb. • in.)	Surge damper	
		Valve open (lb. • in.)	Surge damper	
Exhaust	Material		21-4N (Stellite face)	21-2N
	Overall length		4.86	4.89
	Actual overall head dia.		1.94	1.74
	Angle of seat & face		Seat: 44.5 to 45.0; valve: 47.0 to 47.5	
	Seat insert material		None	
	Stem diameter		0.3075 to 0.3085	Hot end: 0.3713 to 0.3720 (a)
	Stem to guide clearance		0.0030 to 0.0050	Hot end: 0.0020 to 0.0037 (b)
	Lift (• zero lash)		0.480	0.465
	Outer spring press. & length	Valve closed (lb. • in.)	115 @ 1.86	105 @ 1.86
		Valve open (lb. • in.)	310 @ 1.37	234 @ 1.40
	Inner spring press. & length	Valve closed (lb. • in.)	Surge damper	None
		Valve open (lb. • in.)	Surge damper	Surge damper

ENGINE – LUBRICATION SYSTEM

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

(a) Cold end: 0.3723 to 0.3730

(b) Cold end: 0.0010 to 0.0027

(Continued)

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA **MODEL YEAR** 1970 **DATE ISSUED** 9-8-69 **REVISED** (*)6-9-70

See Page 3 for Engine Usage

MODEL 383 CID 1, 2-V 383 CID 1, 4-V 383 CID Hi-Perf

ENGINE – VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	18		21
		Closes (°ABC)	58		67
		Duration - deg.	256		268
	Exhaust	Opens (°BBC)	66		79
		Closes (°ATC)	14		25
		Duration - deg.	260		284
	Valve opening overlap		32		46
Intake	Material		SAE 1041		
	Overall length		4.86		
	Actual overall head dia.		2.08		
	Angle of seat & face deg		Seat: 44.5 to 45.0; valve: 45.0 to 45.5		
	Seat insert material		None		
	Stem diameter		0.3723 to 0.3730		
	Stem to guide clearance		0.0010 to 0.0027		
	Lift (w zero lash)		0.425		0.450
	Outer spring press. & length	Valve closed (lb. w in.)	125 @ 1.86	105 @ 1.86	
		Valve open (lb. w in.)	200 @ 1.42	234 @ 1.40	
	Inner spring press. & length	Valve closed (lb. w in.)	None		Surge damper
		Valve open (lb. w in.)	None		Surge damper
	Exhaust	Material		21-2N	
Overall length		4.89			
Actual overall head dia.		1.74			
Angle of seat & face deg		Seat: 44.5 to 45.0; valve: 47.0 to 47.5			
Seat insert material		None			
Stem diameter		Hot end: 0.3713 to 0.3720; cold end: 0.3723 to 0.3730			
Stem to guide clearance		Hot end: 0.0020 to 0.0037; cold end: 0.0010 to 0.0027			
Lift (w zero lash)		0.437		0.465	
Outer spring press. & length		Valve closed (lb. w in.)	125 @ 1.86	105 @ 1.86	
		Valve open (lb. w in.)	200 @ 1.42	234 @ 1.40	
Inner spring press. & length		Valve closed (lb. w in.)	None		Surge damper
		Valve open (lb. w in.)	None		Surge damper

ENGINE – LUBRICATION SYSTEM

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

(Continued)

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA **MODEL YEAR** 1970 **DATE ISSUED** 9-8-69 **REVISED** 6-9-70

All Engines

MODEL

ENGINE – 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)	"	
Carburetor	Make	See page 10	
	Model	"	
	Barrel size	"	
	Idle speed	Drive	"
		Neutral	"
	Idle A/F mixture	"	
Distributor	Aux. Adv. Systems (type)	None	
	Make	Chrysler	
	Model	See page 13	
	Cent'fgal adv. in crank degrees @ eng. rpm	Start (rpm)	"
		Intermed. points deg. @ rpm	"
		Max. deg. @ rpm	"
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)	"
		Intermed. points deg. @ in. Hg	"
		Max. deg. @ in.	"
Vacuum Source		Carburetor port	
Timing - Crank degrees @ rpm		See page 13	
Cooling System		None	
Exhaust System		None	

AMA Specifications—Passenger Car

PLYMOUTH		MODEL YEAR 1970		DATE ISSUED 9-16-69		REVISED (●) 6-9-70	
MAKE OF CAR BARRACUDA		See Page 3 for Engine Usage					
MODEL	225 CID	318 CID	340 CID	383 CID	426 CID Hemi	440 Hi-Perf; 3, 2-V	

ENGINE – LUBRICATION SYSTEM (cont.)

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 +32F SAE 10W-30, 20W40, or 30	
	Occasionally as low as -10F SAE 10W-30	
	Consistently between +32F and -10F . . . SAE 10W-30 or 10W	
	Consistently below +10F SAE 5W-20	
Engine Service Reqmt. (MM, MS, etc.)	MS	

ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single w/ crossover	Dual	Dual (a)	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse		2-reverse, 2-resonator		
Exhaust pipe dia. (O.D., wall thick.)	Branch	--	1.75x0.067	--	(b)
	Main	1.88x0.067	2.00x0.067	2.25 x 0.075	2.50 x 0.075
Tail pipe dia. (O.D. & wall thickness)	1.88x0.043	2.00x0.043	2.25 x 0.043		

ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Induction system
	Optional	--
Control Unit	Make and model	2951243 or 2951891
	Location	Cylinder head cover outlet
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold vacuum
	Control method (variable orifice, fixed orifice, other)	Variable orifice
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Intake manifold, at or below base of carburetor
	Air inlet (breather cap, carburetor air cleaner, other)	Tube from carburetor air cleaner intake horn to oil filler cap
	Flame arrestor (screen, check valve, other)	Check valve

(a) 383 CID, 1, 2-V: single with crossover

(b) 383 CID, 1, 2-V: 1.88 x 0.075

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA **MODEL YEAR** 1970 **DATE ISSUED** 9-8-69 **REVISED** (a) 6-9-70

See Page 3 for Engine Usage

MODEL	383 CID		440 CID		
	1, 2-V	1, 4-V	Hi-Perf	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.)		18				
	Filler location		Rear center				
Fuel Pump	Type (elec. or mech.)		Mechanical				
	Locations		Right front of engine				
	Pressure range		3.5 to 5.0 psi				
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		Automatic separate			(a)	
	Intake manifold heat control (exhaust or water)		Exhaust				
	Air cleaner type	Standard	Paper element				
		Optional	--				
	Idle speed (spec. neutral or drive)	Manual	750	--	750	900	
		Automatic	650	700	750	800	900
	neutral	Idle A/F mix.	14.0 to 14.4				

CARBURETOR SUPPLEMENTARY INFORMATION

See page 3 Model Usage	Engine Displ.	Transmission	Carburetors			No. Used and Type	Barrel Size
			Make	Ex. Calif.	Calif. Only		
Without A/C	383	Automatic	Holley	R-4371A	R-4373A	1, 2-V	1.56
With A/C				R-4373A			
Without A/C			Carter	BBD-4726S	BBD-4728S		
With A/C				BBD-4894S			
Without A/C			Carter	AVS-4376S	AVS-4734S		P: 1.44 S: 1.69
With A/C				AVS-4732S			
All	383 Hi-Perf	Manual	Holley	R-4367A	R-4217A	1, 4-V	P: 1.56 S: 1.75
Without A/C		Automatic		R-4368A	R-4218A		
With A/C				R-4369A			
All	440	Manual	Carter	AVS-4737S	AVS-4739S	1, 4-V	1.69
Without A/C		Automatic		AVS-5438S	AVS-4740S		
With A/C				AVS-4741S			
		All	Holley	Front		3, 2-V	1.75
				R-4382A	R-4175A		
				Rear			
	R-4383A			R-4365A			
				Center			1.50
	Manual			R-4375A	R-4374A		
Automatic	R-4376A	R-4144A					

(a) Automatic, separate on center carburetor: none on front or rear carburetors.

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA

MODEL YEAR 1970

DATE ISSUED 9-8-69 REVISED 6-9-70

See Page 3 for Engine Usage

MODEL

225 CID

318 CID

340 CID

426 CID

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.)		18		
	Filler location		Rear center		
Fuel Pump	Type (elec. or mech.)		Mechanical		
	Locations		Right center	Right front	
	Pressure range		3.5 to 5	5 to 7	7 to 8.5
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		Automatic, separate		(a)
	Intake manifold heat control (exhaust or water)		Exhaust		
	Air cleaner type	Standard	Paper element		
		Optional	--		
	Idle speed (spec. neutral or drive)	Manual	750	750	900
		Automatic	700	700	900
	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	Ex. Calif.	Calif. Only		
6-Cyl		225	Manual	Holley	R-4351A	R-4353A	1, 1-V	1.69
			Automatic		R-4352A	R-4354A		
V-8	All	318	Manual	Carter	BBD-4721S	BBD-4723S	1, 2-V	1.44
	w/o A/C		Automatic		BBD-4722S	BBD-4724S		
	w/ A/C		Automatic		BBD-4895S	--		
	All	340	Manual	Carter	AVS-4933S	AVS-4936S	1, 4-V	P: 1.44 S: 1.69
	w/o A/C		Automatic		AVS-4934S	AVS-4937S		
	w/ A/C		Automatic		AVS-4935S	--		
	All	426	Manual	Carter	Front		2, 4-V	Primary 1.44 Secondary 1.69
					AFB-4742S	AFB-4742S		
					Rear			
					AFB-4745S	AFB-4745S		
			Automatic		Front			
					AFB-4742S	AFB-4742S		
					Rear			
					AFB-4746S	AFB-4746S		

(a) Front: none; rear: automatic, integral

AMA Specifications—Passenger Car

PLYMOUTH		MODEL YEAR		DATE ISSUED		REVISED (•)	
MAKE OF CAR BARRACUDA		1970		9-16-69			
		See Page 3 for Engine Usage					
MODEL		225 CID	318 CID	340 CID	383 CID	426 CID Hemi	440 Hi-Perf; 3, 2-V

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						
	Terminal grounded		Negative						
Alternator	Make		Chrysler						
	Model		3438172			3438176		3438172	
	Type and rating (a)		37 amp						
	Output at engine idle (neutral)		--						
	Ratio—Gen. to Cr/s rev.		2.70:1		2.55:1		2.12:1		2.55:1
Regulator	Make		Chrysler						
	Model		3438150						
	Type		Voltage control						
	Cutout relay	Closing voltage @ generator rpm	--						
		Reverse current to open	--						
	Regulated	Voltage	13.8 to 14.4 @ 80° 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			(b)			
Motor Drive	Engagement type			Solenoid			
	Pinion meshes (front, rear)			Front			
	Number of teeth	Pinion		10 (c)			
		Flywheel	Manual	122	130	172	143
			Auto.	122	130		
	Flywheel tooth face width		Manual	0.340			
Auto.			0.340				

- (a) Three-phase full-wave rectified.
- (b) 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.
- (c) 426 CID: nine teeth with manual transmission.

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AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA **MODEL YEAR** 1970 **DATE ISSUED** 9-17-69 **REVISED** (•)
 See Page 3 for Engine Usage

MODEL	225 CID	318 CID	340 CID	383 CID	426 CID Hemi	440 Hi-Perf & 3, 2-V
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ENGINE – COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)	Pressure vented						
Radiator cap relief valve pressure	16						
Circulation thermostat	Type (choke, bypass)	Choke, pellet					
	Starts to open at (°F)	190	195	190 (a)			
	Type (centrifugal, other)	Centrifugal					
	GPM @ 1000 pump rpm	--					
Water pump	Number of pumps	One					
	Drive (V-belt, other)	V-belt					
	Bearing type	Ball, integral shaft, permanently sealed					
By-pass recirculation type (inter., ext.)	External		Internal				
Radiator core type (cellular, tube and fin, other)	Tube and spacer						
Cooling system capacity	With heater (qt.)	13	16		15.5		
	Without heater (qt.)	12	15		14.5		
	Opt. equipment-specify (qt.) a/c	13	16		15.5		
Water jackets full length of cyl. (yes, no)	No		Yes		No		
Water all around cylinder (yes, no)	Yes						
Radiator hose	Lower	Number and type (molded, straight)	One, molded				
		Inside diameter	1.50		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		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	Thermal					
	Bearing type	See water pump bearing above					
*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 degrees	36	36	36	36	36	36	36	36	36	36	36
Nominal length (SAE)	57.0	40.75	53.0	47.50	38.0	54.0	46.5	44.0	59.50	45.0	39.38
Width	.38	.38	.50	.38	.38	.38	.38	.38	.38	.38	.50

(a) 383 CID 1, 2-V: 195

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA MODEL YEAR 1970 DATE ISSUED 9-12-69 REVISED ^(a) 6-9-70

AVAILABILITY

(See Page 3 for Engine Usage)

	225 CID	318 CID	340 CID	383 CID			426 CID		440 CID	
				2-V	4-V	Hi-Perf	Hemi	Hi-Perf	3, 2-V	
Distributor	Manual	3438255	3438317	3438231	3438233		2875987	3438222	3438314	
	Automatic	3438225	3438325				2875989			2875982
Timing (a)	Manual	TDC	5BTC	10BTC	--	10BTC	TDC	10BTC	12-1/2	
	Automatic			12-1/2BTC			2-1/2BTC	12-1/2BTC	BTC	

(a) Transmission in neutral, crankshaft degree @ engine idle rpm (see page 10) Distributor Solenoid disengaged.

SPECIFICATIONS

DISTRIBUTOR PART NUMBER	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Degrees @ Inches of Mercury	
	Start	Intermediate	Maximum	Start	Maximum
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
2875982	0 to 10.6 @ 1200	18 to 22 @ 1700	24 to 28 @ 4800	1 to 7 @ 11	19 to 25 @ 15.5
2875987	0 to 9 @ 1300	24.4 to 28.4 @ 2100	28 to 16 @ 3200	0 to 7 @ 9	13.4 to 18.4 @ 13.5
2875989	0 to 8.4 @ 1200	19.4 to 23.4 @ 1900	23 to 27 @ 3200	0 to 7 @ 9	13.4 to 18.4 @ 13.5
3438222	0 to 9.2 @ 1200	11.2 to 15.2 @ 1600	20 to 24 @ 4600	1 to 8.6 @ 10.5	9.4 to 24 @ 15.5
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
3438231	0 to 7.6 @ 1100	15 to 19 @ 1700	28 to 16 @ 4400	1.0 to 4 @ 7.5	18.6 to 23.6 @ 12
3438233	0 @ 950	16.5 @ 1600	26 @ 3600	1 to 8.6 @ 10.5	19.4 to 24 @ 15.5
3438255	2 to 12 @ 1100	17 to 21 @ 1600	28 to 32 @ 4200	2 to 8 @ 10.5	16.5 to 21.5 @ 15
3438314	0 to 9.0 @ 1300	18 to 22 @ 1900	24 to 28 @ 4800	1 to 7 @ 11	19 to 25 @ 15.5
3438317	3 to 13 @ 1400	16 to 20 @ 1800	--	2 to 9.2 @ 7.7	14 to 20 @ 10.5
3438325	3 to 11 @ 1300	16 to 20 @ 1700	--	1 to 7 @ 9	14 to 20 @ 25

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA

MODEL YEAR 1970

DATE ISSUED 9-10-69 REVISED (•)

See Page 3 for Engine Usage

MODEL

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

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			
Distributor	Make		Chrysler	(a)	Chrysler	Prestolite
	Model		See page 13A			
	Cent'fgal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)	"			
		Intermediate points deg. @ rpm	"			
		Max. deg. @ rpm	"			
	Vacuum adv. in c/shaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	"			
		Intermediate points, deg. @ in. Hg.	"			
		Max. deg. in. Hg.	"			
	Breaker gap (in.)		(b)	(c)	0.016 to 0.021	(c) (d) (c)
	Cam angle (deg.)		41 to 46	30 to 34	(e) 28.5 to 32.5	(e) (f) (e)
Timing	Breaker arm tension (oz.)		17 to 20	(g)	17 to 20	(g) 17 to 20 (g)
	Crankshaft deg. @ rpm idle		See page 13A			
	Mark location					
Spark Plug	Make & Model	Mopar	P-6-6P	--	P-3-6P	P-3-4P -- P-3-4P
		Champion	N-14Y	N-9Y	J-14Y	J-11Y N-10Y J-11Y
	Thread (mm)		14 mm			
	Tightening torque (lb. ft.)		30 to 32			
	Gap		0.035			
Cable	Conductor type		Resistor			
	Insulation type		(h)	Synthetic rubber with Hypalon jacket		
	Spark plug protector		Hypalon	Silicone		

ELECTRICAL – SUPPRESSION

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

- (a) Prestolite
- (b) 0.017 to 0.023
- (c) 0.014 to 0.019
- (d) 0.016 to 0.021
- (e) One set of points 27 to 32: both sets of points 37 to 42
- (f) 28.5 to 32.5
- (g) 17 to 21.5
- (h) Synthetic rubber with Neoprene jacket

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA **MODEL YEAR** 1970 **DATE ISSUED** 9-15-69 **REVISED** (a) 6-9-70

See Page 3 for Engine Usage

MODEL

225 CID	318 CID	340 CID	383 CID	426 CID	440 CID
---------	---------	---------	---------	---------	---------

DRIVE UNITS – TRANSMISSIONS

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

DRIVE UNITS – MANUAL TRANS.

Number of forward speeds		3		4	
		(c)	With 383 CID	(d)	With 426, 440 CID
Transmission ratios	In first	3.08	2.55	2.47	2.44
	In second	1.70	1.49	1.77	1.77
	In third	1.00		1.34	
	In fourth	--		1.00	
	In reverse	2.90	3.34	2.40	2.36
Synchronous meshing, specify gears		1, 2, 3		1, 2, 3, 4	
Shift lever location		Floor		Floor or console	
Lubricant	Capacity (pt.)	4.75		7.5	
	Type recommended	DEXRON Type Auto. Trans. Fluid		SAE 140	
	SAE viscosity number	Summer		"	
		Winter		"	
		Extreme cold		SAE 90	

DRIVE UNITS – MANUAL TRANS. W/OVERDRIVE

(For transmission data see manual transmission section)

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

- (a) NA with 383 CID 1, 2-V
 (b) Std with 383 CID 1, 2-V
 (c) With 225, 318, 340 CID
 (d) With 318, 340, 383 CID

AMA Specifications—Passenger Car

PLYMOUTH

MAKE OF CAR BARRACUDA MODEL YEAR 1970 DATE ISSUED 9-15-69 REVISED (•)

All Models

MODEL

ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speedometer	Type	In-line drive pointer
	Trip odometer (yes,no)	Opt w/150 mph (a)
Charge indicator – type		Ammeter
Temperature indicator – type		Electric, thermal
Oil pressure indicator – type		Electric, thermal
Fuel indicator – type		Electric, thermal
Other		Brake system and parking brake warning light
Windshield wiper	Type – Standard	Electric, two-speed
	Type – Optional	Electric, variable-speed
Windshield washer	Type – Standard	Foot-operated pump
	Type – Optional	Electric
Horn	Type	Four-inch sea shell
	Number used	2
	Amp draw (each)	Sparton: 6-8 amp; Prestolite: 4-6 amp

DRIVE UNITS – CLUTCH (Manual Transmission)

MODEL		225 CID	318 CID	340 CID	426 CID	383 CID	440 CID
Make & type		Auburn, Borg & Beck	Borg & Beck				
Type pressure plate springs		Coil					
Total spring load (lb.)		1375	1693	2181	2523	2181	2523
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 7.0	11.0 x 6.5	11.0 x 7.0
	Total eff.area(sq.in.)	77	106.8		113.1	123.6	113.1
	Thickness	0.114	0.125		0.135	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					

(a) Push-button reset

AMA Specifications—Passenger Car

MAKE OF CAR		PLYMOUTH BARRACUDA		MODEL YEAR		1970		DATE ISSUED		9-19-69		REVISED (•)	
MODEL				225 CID		318 CID		340 CID		383 CID All		426 CID	
												440 CID Hi-Perf, 3, 2-V	

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		29		
	Spline O.D.		1.156		1.325		
Universal joints	Make Chrysler	Mfg.No.	7260 F & R	(a)	7260 F 7290 R	(a)	7290 F & R
	Number used		Two				
	Type (ball and trunnion, cross)		Cross				
	Rear attach.(u-bolt, clamp, etc.)		C-clamp				
	Bearing	Type (plain, anti-friction)	Anti-friction				
		Lubric. (fitting, prepack)	Prepack				
Drive taken through (torque tube or arms, springs)			Rear springs				
Torque taken through (torque tube or arms, springs)			Rear springs				

DRIVE UNITS – AXLE

Type (front, rear)			Rear		
Description	Carrier housing		Unitized	Separable	Unitized
	Ring gear		7-1/4 OD	8-3/4 OD	9-3/4 OD
Limited Slip differential, type			Friction bias		
Drive Pinion Offset			1.625	1.50	1.125
No. of differential pinions			2 (all)	2 (all)	4
Pinion adjustment (shim, other)			Washer	Shim	
Pinion bearing adj. (shim, other)			Solid spacer	Collapsible spacer	Shim
Wheel bearing type			Ball	Tapered roller	
Lubricant	Capacity (pt.)		2	4	5-1/2
	Type recommended		MIL-L-2105B 2933565 (b)		
	SAE viscosity number	Summer	Above -10F SAE 90		
		Winter	Between -10F & 30F. . . SAE 80		
		Extreme cold	Below -30F SAE 75		

AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		2.76		3.23		3.54	3.55	3.91	4.10
No. of teeth	Pinion	17		13		13	11	11	11
	Ring gear	47		42		46	39	43	45
Ring Gear O.D.		7-1/4	8-3/4	7-1/4	8-3/4	9-3/4	8-3/4	8-3/4	9-3/4

(a) With 7-1/4 axle: 7260 F & R; with 8-3/4 axle: 7260 F & 7290 R

(b) Special Sure-Grip Lubricant 2585318

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA **MODEL YEAR** 1970 **DATE ISSUED** 9-16-69 **REVISED** (*)

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

See Page 3 for Engine Usage

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		76	83	74	85	74	93	76
Max. kickdown speed—drive range		68	74	67	76	67	84	69
Torque converter	Number of elements	Three						
	Max. ratio at stall	2.1:1		2.0:1	2.1:1		2.0:1	
	Type of cooling (air, liquid)	Liquid						
	Nominal diameter	10.75		11.75	10.75		11.75	
Lubricant	Capacity—refill (pt.)	17.0	16.0		19.0	16.0	17.0	19.0
	Type recommended	DEXRON Automatic Transmission Fluid or Type AQ-ATF-2848A						
Special transmission features		None						

DRIVE UNITS – PROPELLER SHAFT

Number used	One						
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Straight tube						
Outer diam. x length* x wall thickness	Manual 3-speed trans.	2.75 x 46.06 x .065	3.00 x 43.85 x .065	3.00 x 43.60 x .065	--	3.00 x 43.60 x .065	--
	Manual 4-speed trans.	--	3.00 x 43.85 x .065	3.00 x 43.60 x .065	--	3.00 x 43.60 (a) x .065	3.25 x 42.66 x .065 (b)
	Overdrive transmission	NA					
	Automatic transmission	2.75 x 50.18 x .065		3.00 x 43.60 x .065	3.00 x 43.85 x .065	3.25 x 42.60 x .065 (b)	

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

(Continued)

(a) 383 CID Hi-Perf: 3.25 x 43.60

(b) With 8-3/4 axle: 3.25 x 43.60

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA **MODEL YEAR** 1970 **DATE ISSUED** 9-19-69 **REVISED** (●) 6-9-70

225 CID

318, 340;
383, 2-V & 4-V383, Hi-Perf: 426,
440 Hi-Perf;
440 3, 2-V

All

MODEL**BRAKES – SERVICE**

Type (drum) or (disc & no. of pistons)				Drum			Disc, 1		
Self adjusting (std., opt., N.A.)				Std					
Special Valving		Type (proportion, delay, metering, other)		--			(a)		
Power brake make & type (remote, int., etc.)		Std.		--			Tandem		
		Opt.		Integral			--		
Effective area (sq. in.) *				195.2	195.2	234.1	138.12		
Gross lining area (sq. in.) **				195.2	195.2	234.1	138.12		
Swept area (sq. in.) ***				314.2	314.2	380.1	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			1.00			1.125		
	displacement distribution	Front	%	60			75		
		Rear	%	40			25		
Pedal arc ratio				Manual: 6.70 Power: 3.18					
Line pressure at 100 lb. pedal load				800			1100		
Shoe Clearance	Front			No major adjustment required					
	Rear			"					
Brake lining	Bonded or riveted			Bonded					
	Front Wheel	Material		Molded asbestos					
		Size (length x width x thickness)	Prim. or out-board	8.46 x 2.5 x 0.19		9.31 x 3.00 x 0.19		10.13 x 0.44 (b)	
			Second. or in-board	11.06 x 2.5 x 0.24		11.97 x 3.00 x 0.24		10.13 x 0.44 (b)	
		Segments per shoe			One				
	Rear Wheel	Material		Molded asbestos					
		Size (length x width x thickness)	Prim. or out-board	8.46 x 2.5 x 0.19		9.31 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		11.97 x 2.5 x 0.24		11.06 x 2.5 x 0.24	
Segments per shoe			One						

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

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

(a) Front: proportioning; rear: residual pressure

(b) Area x thickness

AMA Specifications—Passenger Car

PLYMOUTH MAKE OF CAR BARRACUDA		MODEL YEAR 1970	DATE ISSUED 9-19-69	REVISED (•) 6-9-70	
MODEL		225 CID 318 CID	383 CID	340 CID	440 CID 426 CID

DRIVE UNITS – WHEELS

Type & material		Disc, steel				
Rim (size & flange type)	Std.	14x5.0 J (e)	14x6.0 JJ	14 x 6.0 JJ	14 x 6.0 JJ	15 x 7.0 JJ
	Opt.	14x5.5 JJ (f)	14x5.5 JJ (g) 15x7.0 JJ (h)	15 x 7.0 JJ, Rallye 14 x 5.5 JJ	14x5.5 JJ (g) 15 x 7.0 JJ (h)	15x7.0 JJ, Rallye 14x5.5 JJ
Attachment	Type (bolt or stud)	Stud				
	Circle diameter	4.5				
	Number and size	Five, 1/2-20 NF				

MODEL

DRIVE UNITS – TIRES

Standard	Size, ply rating, & ply		E78 x 14, 4-2/4	F70 x 14, 4-2/4	F70 x 14, 4-2/4	F70 x 14, 4-2/4	F60 x 15, 4-2/4
	Type (bias, radial, etc.)		Bias with fiberglass belt				
	Full rated Inflation Press.	Front	26	25	28	25	28
		Rear	30	28	32	28	32
	Rev./Mile at 50 MPH		803 (j)	798 (k)			800 (j)
Optional	Size, ply rating, & ply		E70 x 14, 4-2/4 F70 x 14, 4-2/4 (a) 7.75 x 14, 4-2 (b)	7.75 x 14, 4-2 (b) E60 x 15, 4-2/4 (c)	7.75 x 14, 4-2 (b)(c)	7.75 x 14, 4-2 (b) E60 x 15, 4-2/4 (c, d)	7.75 x 14, 4-2 (b) (c)

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) Not available w/225 CID or 10-inch drum brakes
- (b) Bias type, no belt
- (c) Available S-price only with 11-inch drum or disc brakes and H.D. suspension
- (d) Not available convertible with AC
- (e) With AC: 14 x 5.5 JJ
- (f) Available in std, rallye or magnum 500
- (g) Magnum 500 wheel or rallye wheel
- (h) Available std or rallye
- (j) At 28 psi
- (k) At 24 psi

AMA Specifications—Passenger Car

PLYMOUTH		MODEL YEAR 1970		DATE ISSUED 9-19-69		REVISED (a)	
MAKE OF CAR BARRACUDA		See Page 3 for Engine Usage					
MODEL		225 CID	318; 383, 2-V; 383, 4-V	340, 1, 4-V 383 Hi-Perf	426 Hemi; 440 Hi-Perf & 3, 2-V		

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	
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
	Spring rate (lb. per in.)	NA			
	Rate at wheel (lb. per in.)	95	102	111	118
Stabilizer	Type (link, linkless, frameless)	Link			
	Material & bar diameter	0.88			

SUSPENSION – REAR

Type and description		Parallel, longitudinal leaf			
Drive and torque taken through		Rear springs			
Spring	Type	Semielliptical, asymmetrical			
	Material	Chromium alloy steel			
	Size (length x width, coil design height & I.D.; bar length & dia.)	57 x 2.5			
	Spring rate (lb. per in.)	95	110	125	
	Rate at wheel (lb. per in.)	115	132	150	
	Mounting insulation type	Rubber			
Stabilizer	If leaf	No. of leaves	4-1/2	5-1/2	
	Shackle (comp. or tens.)	Compression			
	Type (link, linkless, frameless)	None			
Track bar type		None			

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA MODEL YEAR 1970 DATE ISSUED 9-19-69 REVISED (•)

MODEL

All Models

STEERING

Manual (std., opt., NA)				Std	
Power (std., opt., NA)				Opt	
Adjustable steering wheel (tilt, swing, other)		Type and description		--	
		(std., opt., NA)		NA	
Wheel diameter		Manual		16.0	
		Power		16.0	
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)		41.32	
		Curb to curb (l. & r.)		38.77	
	Inside rear	Wall to wall (l. & r.)		22.14	
		Curb to curb (l. & r.)		22.58	
Manual	Gear	Type		Recirculating ball	
		Make		Chrysler	
		Ratios	Gear	Std: 24.0:1	
			Overall	Std: 29.14:1	
	No. wheel turns (stop to stop)		Std: 5.3		
Power	Type (coaxial, linkage, etc.)		Integral		
	Make		Chrysler		
	Gear	Type		Recirculating ball	
		Ratios	Gear	15.7:1	
			Overall	24.06	
	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 at camber (deg.)		7.5° @ 0°		
	Bearings (type)	Upper	Ball joint		
		Lower	Ball joint		
		Thrust	Oil impregnated sintered metal		
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)		Manual steering: -1-5/16° + 1/16° Power steering: -1/16° + 1-5/16°		
	Camber (deg.)		Left: +1/80 + 7/80 Right: -1/80 + 5/80		
	Toe-in (outside track inches)		1/32" to 7/32"		
Steering spindle & joint type				Ball joint	
Wheel Spindle	Diameter	Inner bearing		Drum & disc 1.2494	
		Outer bearing		Drum & disc 0.7494	
	Thread size		Drum & disc 3/4-16 UNF-3A		
	Bearing type		Tapered roller		

AMA Specifications—Passenger Car

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Page 23

MAKE OF CAR	PLYMOUTH BARRACUDA	MODEL YEAR	1970	DATE ISSUED	9-19-69	REVISED (•)
			23			27
MODEL						

CONVENIENCE EQUIPMENT

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

Power windows	Side windows	Opt	
	Vent windows	Opt	
	Backlight or tailgate	--	
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	
Radios (specify type as well as availability)		Opt: AM or AM-FM (Dealer installed)	
Rear seat speaker		Opt: Dealer-installed	
Power antenna		NA	
Clock		Opt	
Air conditioner (specify type and availability)		Opt: front unit with heater	
Speed warning device		NA	
Speed control device		Opt (NA -426 CID, 440 CID)	
Ignition lock lamp		Opt	
Dome lamp		Std	NA
Glove compartment lamp		Opt	
Luggage compartment lamp		Opt	
Underhood lamp		Opt: dealer-installed	
Courtesy lamp			
Map lamp		--	
Auto. trans. quad. lamp		Std with automatic transmission	
Cornering light lamp		NA	
Shoulder belts		Std	Opt
Trip odometer		Opt with rallye cluster (NA - 6-cyl)	
Tachometer		Opt with rallye cluster (NA - 6-cyl)	
Trailer towing package		Opt (NA - 6-cyl)	
Head lamp "ON" warning buzzer		Opt	
Rear window defogger		Opt	NA

LAMP HEIGHT AND SPACING

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

* If single headlamps are used enter here.

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AMA Specifications—Passenger Car

PLYMOUTH		MODEL YEAR 1970		DATE ISSUED 9-19-69	REVISED (●)
MAKE OF CAR BARRACUDA		23		27	
MODEL					
FRAME					

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

Unit construction

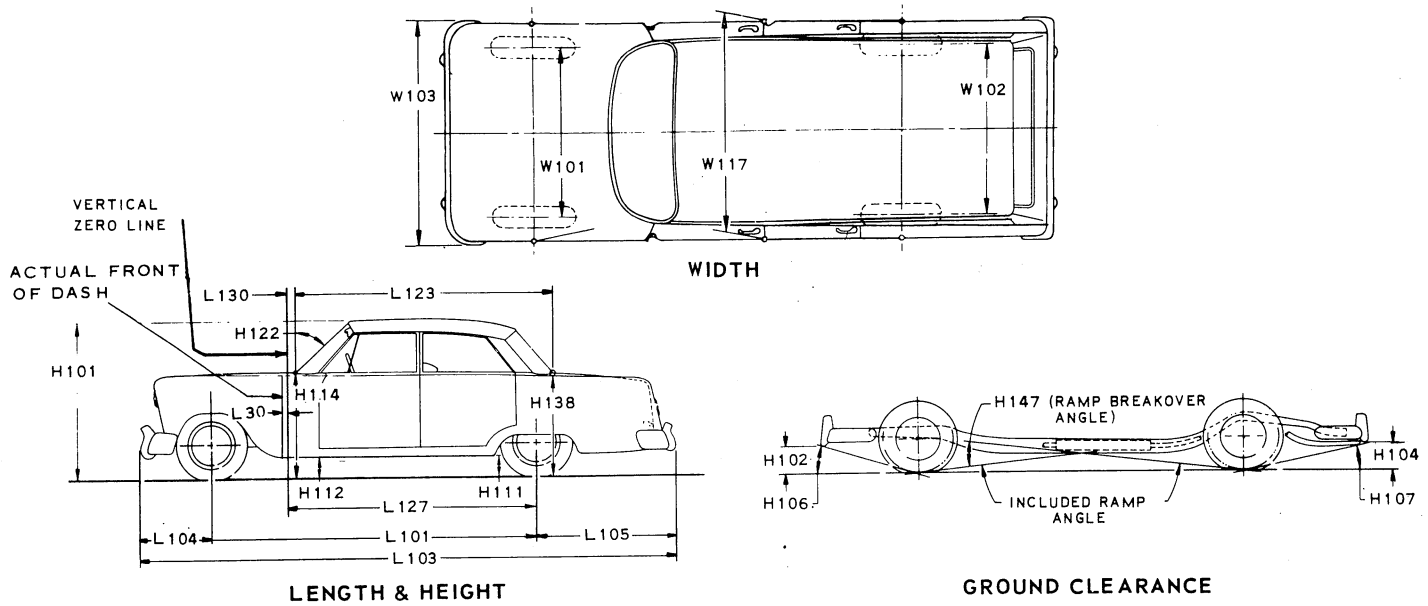
BODY — MISCELLANEOUS INFORMATION

Drs.hinged (front, rr.)	Front doors	Front	
	Rear doors	--	
Type of finish (lacquer, enamel, other)		Buffable acrylic enamel	
Hood counterbalanced (yes, no)		Yes	
Hood release control (internal, external)		External	
Vehicle Indent. No. location		Left end instrument panel	
Engine No. location		NA	
Theft protection - type		Pin tumbler key locks on ignition switch, doors, luggage compartment, lockable steering & transmission shift	
Vent window control method (crank, friction pivot)	Front	None	
	Rear	None	
Seat cushion type	Front	Zigzag	
	Rear	Formed wire	
	3rd seat	--	
Seat back type	Front	Zigzag	
	Rear	Formed wire	
	3rd seat	--	
Windshield glass type (i.e., single curved - laminated plate)		Single, curved, laminated, safety plate	
Side glass type (i.e., curved - tempered plate)		Curved, heat treated, safety sheet	
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Single, curved, heat treated, safety sheet	
Windshield glass exposed surface area		1265	
Side glass exposed surface area		1152	1165
Backlight glass exposed surface area		789	575
Total glass exposed surface area		3206	3005

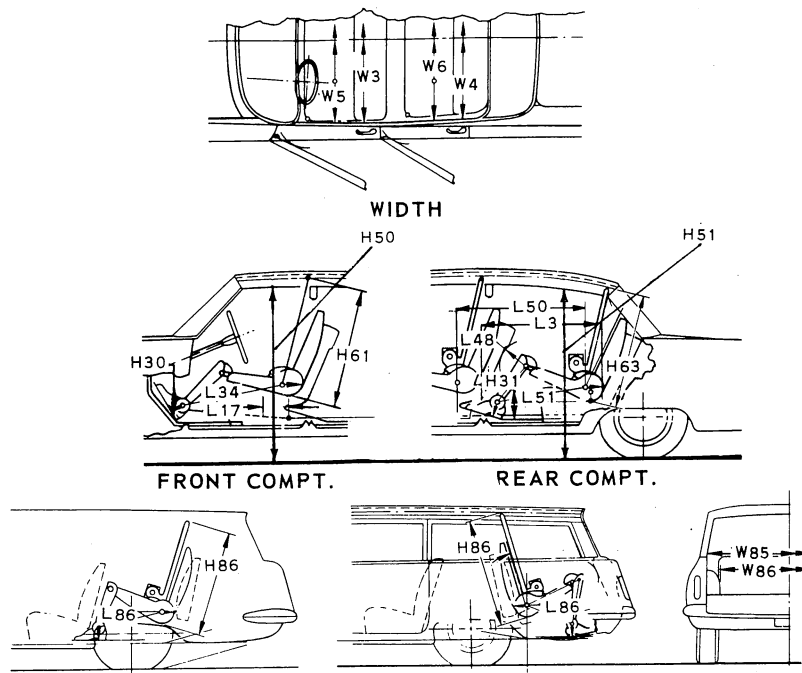
CAR AND BODY DIMENSIONS

KEY SHEET

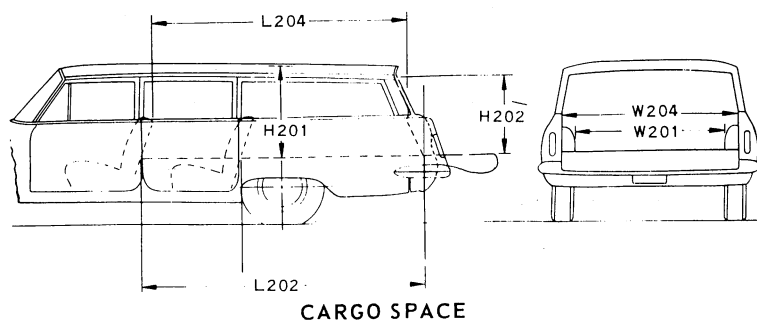
EXTERIOR CAR AND BODY DIMENSIONS



INTERIOR CAR AND BODY DIMENSIONS



THIRD SEAT



CARGO SPACE

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CAR AND BODY DIMENSIONS

KEY SHEET

DIMENSION DEFINITIONS

EXTERIOR WIDTH DIMENSIONS

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

EXTERIOR LENGTH DIMENSIONS

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

EXTERIOR HEIGHT DIMENSIONS

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

GROUND CLEARANCE DIMENSIONS

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

FRONT COMPARTMENT DIMENSIONS

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

FRONT COMPARTMENT DIMENSIONS (Cont.)

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

REAR COMPARTMENT DIMENSIONS

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

LUGGAGE COMPARTMENT DIMENSIONS

- V 1 LUGGAGE CAPACITY — USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.
- 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 8° to rear of vertical.

STATION WAGON — CARGO SPACE DIMENSIONS

- L202 CARGO LENGTH AT FLOOR — FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.
- L204 CARGO LENGTH AT BELT — FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.
- W201 CARGO WIDTH — WHEELHOUSE. The minimum horizontal dimension, measured between wheelhousings 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
1728

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