

AMA Specifications—Passenger Car

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MANUFACTURER	CHRYSLER-PLYMOUTH DIVISION CHRYSLER CORPORATION	CAR NAME	PLYMOUTH BARRACUDA
MAILING ADDRESS	DETROIT, MICHIGAN 48231	MODEL YEAR	1968
		ISSUED	6-30-67
		REVISED (•)	1-30-68

NOTES:

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

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BODY - TYPES AND STYLE NAMES -

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

	2-Door Hardtop	Convertible Coupe	Fastback 2-Door Hardtop
	23	27	29

SIX-CYLINDER MODELS

Barracuda	BH23	BH27	BH29
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V-8 MODELS

Barracuda	BH23	BH27	BH29
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PLYMOUTH
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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 and are shown with vehicle load of two passengers in front and three in rear, except where otherwise noted.

MODEL	SAE Ref. No.	23		27		29	
		6-Cyl	V-8	6-Cyl	V-8	6-Cyl	V-8

WIDTH

Track - Front	W101	57.4					
Track - Rear	W102	55.6					
Maximum overall car width	W103	71.6					
Body width at No. 2 pillar	W117	69.6					

LENGTH

Body "O" to front of dash	L 30	0.48					
Wheelbase	L101	108					
Overall car length	L103	192.8					
Overhang - front	L104	35.2					
Overhang - rear	L105	49.6					
Body upper structure length	L123	93.8		94.2		--	
Body "O" line to C of rear wheel	L127	94.2					
Body "O" line to w/s cowl point	L130	10.8					

HEIGHT

Overall height	H101	52.6	52.7	53.2		52.8	
Cowl height	H114	36.1					
Deck height	H138	36.6					
Rocker panel - front	To ground	7.4					
	From front wheel C	15.5					
Rocker panel - rear	To ground	6.3					
	From rear wheel C	24.2					
Windshield slope angle, deg	H122						

GROUND CLEARANCE

Bumper to ground - front	H102	14.2					
Bumper to ground - rear	H104	16.4					
Angle of approach	H106	27.1	27.2	27.1	27.2	27.1	27.2
Angle of departure	H107	19.9					
Ramp breakover angle	H147	11.8					
Min. running clearance (Specify)	H156	5.5 (at frame)					

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CAR AND BODY DIMENSIONS

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

MODEL	SAE Ref. No.	23		27		29	
		6-Cyl	V-8	6-Cyl	V-8	6-Cyl	V-8

FRONT COMPARTMENT

Effective head room	H61	37.4		38.7		37.2	
Max. eff. leg room - accelerator	L34	41.7		41.6		41.7	
H Point to Heel point	H30	8.9		8.3		8.9	
H Point travel	L17			4.5			
Shoulder room	W 3			55.4			
Hip room	W 5			57.1			
Upper body opening to ground	H50	48.2		48.3		48.0	

REAR COMPARTMENT

H Point couple distance	L50	26.2		29.6		27.5	
Effective head room	H63	35.8		36.9		36.5	
Min. effective leg room	L51	30.2		33.1		31.1	
H Point to Heel point	H31			10.3			
Min. knee room	L48	2.0		1.2		1.0	
Rear Compartment room	L 3	21.0		23.5		22.0	
Shoulder room	W 4	55.4		54.8		55.4	
Hip room	W 6	57.2		46.8		57.2	
Upper body opening to ground	H51			--			

LUGGAGE COMPARTMENT

Usable luggage capacity	V 1	15.2				16.6	
Liftover height	H195	24.0	23.9	24.0	23.9	24.0	23.9
Position of spare tire storage		In tire well					
Method of holding lid open		Torsion bar					

STATION WAGON - THIRD SEAT

Shoulder Room	W85	Not applicable					
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	Not applicable					
Cargo length at belt - front seat	L204	"					
Cargo width - wheelbase	W201	"					
Opening width at belt	W204	"					
Maximum cargo height	H201	"					
Rear opening height	H202	"					
Cargo volume index (cu. ft.) W4 x L204 x H201 1728	V2	"					

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POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A C ratio)
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP RPM	Torque RPM		
Std	225	1, 1V	8.4	145 @ 4000	215 @ 2400	Manual 3-Speed	3.23*, 3.55
						Automatic	2.76*, 3.23*, 3.55, 2.93*
Std, Exc with Formula "S"	318	1, 2V	9.2	230 @ 4400	340 @ 2400	Manual 3-Speed	3.23*, 3.55*, 3.91**
						Manual 4-Speed	3.23*, 3.55**, 3.91**
						Automatic	2.76, 3.23*
Std with Formula "S"	340	1, 4V	10.5	275 @ 5000	340 @ 3200	Manual 4-Speed	3.23*, 3.55**, 3.91**
						Automatic	3.23*, 3.55**
Opt with Formula "S"	383	1, 4V	10.0	300 @ 4400	400 @ 2400	Manual 4-Speed	3.23*, 3.55**, 3.91**
						Automatic	3.23*, 3.55**
							NOTE: Axle ratios marked with a single asterisk (*) also are available in Sure-Grip; those marked with a double asterisk (**) are available only in Sure-Grip.

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MODEL	Six	V-8	
		Except in Formula "S" - Std	Formula "S" only Std Opt

ENGINE—GENERAL

Type, no. cyls., valve arr.		6, in-line, OHV		90° V-8	
Bore and stroke (nominal)		3.4 x 4.125	3.91 x 3.31	4.04 x 3.31	4.25 x 3.38
Piston displacement, cu. in.		225	318	340	383
Bore spacing (C to C)		(a)	4.46		4.80
No. system	L, Bank	--	1-3-5-7		
(front to rear)	R, Bank	--	2-4-6-8		
Firing order		1-5-3-6-2-4	1-8-4-3-6-5-7-2		
Compres. ratio (nominal)		8.4	9.2	10.5	10.0
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°, up 3°			
Taxable	Dia ² xNo. Cyl.	27.7	48.9	52.2	57.8
horsepower	2.5				
Publishing max. bhp* @ eng. RPM		145 @ 4000	230 @ 4400	275 @ 5000	300 @ 4400
Publishing max. torque * (lb. ft. @ RPM)		215 @ 2400	340 @ 2400	340 @ 3200	400 @ 2400
Recommended fuel regular - premium		Regular		Premium	

ENGINE—PISTONS

Material	Aluminum alloy			
Description and finish	Closed slipper-type, steel strut, elliptically-turned, tin-plated			
Weight (piston only) oz.	16.4	20.9	25.4	27.2
Clearance (limits)	Top land	.024 min.	.018 min.	.020 min.
	Skirt Top	.0005 - .0015		(b)
	Bottom	-.0005 - +.0015		(c)
Ring groove depth	No. 1 ring	.179	.205	.210
	No. 2 ring	.179	.205	.210
	No. 3 ring	.181	.193	.198
	No. 4 ring	--		

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

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

(b) .00025 - .00125

(c) -.00125 - +.00125

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PLYMOUTH MAKE OF CAR <u>BARRACUDA</u>		MODEL YEAR <u>1968</u>		DATE ISSUED <u>4-10-67</u>		REVISED ^(*)	
MODEL		See Page 3 for Engine Usage					
		225 CID		318 CID		340 CID	
						383 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	(a)	(c)	(b)
		#2	(d)		(e)
	Width		.078		
	Gap		.010 - .020		.013 - .023
Oil	Description - material, coating, etc.		3-piece abutment-type, stainless steel spacer-expander with chrome-plated segments		
	Width		.188		
	Gap		Not applicable		
Expanders			See above		

ENGINE—PISTON PINS

Material		High manganese steel			
Length		2.965	2.995	3.565	
Diameter		.9008	.9842	1.0936	
Type	Lacked in rod, in piston, flooring, etc.	Press-fit in rod	Floating	Press-fit in rod	
	Bushing	None	Rod	None	
	In rod or piston Material	--	Bronze on steel	--	
Clearance	In piston	.00045-.00075	.0000 - .0005	.00045-.00075	
	In rod	(f)	.0001 - .0006	(f)	
Direction & amount offset in piston		Right .06			

ENGINE—CONNECTING RODS

Material		Drop-forged steel			
Weight (oz.)		26.8	25.6	26.7	28.6
Length (center to center)		6.699	6.123		6.358
Bearing	Material & Type	(g)	Bi-metal grid	Tri-metal	
	Overall length	.985	.843		.927
	Clearance (limits)		.0002 - .0022	.0002 - .0027	.0005-.0030
	End play	.006 - .012	.006 - .014 (h)		.009 - .017 (h)

- (a) Cast iron, twist and taper, tin-plated
- (b) Cast iron, twist and barrel-lap faced, moly-filled
- (c) Cast iron, twist and radius-faced, tin-plated
- (d) Cast iron, reverse twist and taper, lubrite-coated
- (e) Cast iron, reverse twist and taper, tin-plated
- (f) .0007 - .0014 interference
- (g) Lead-base babbitt on steel
- (h) Total, two rods

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See Page 3 for Engine Usage

MODEL _____ 225 CID 318 CID 340 CID 4-bbl, 383 CID

ENGINE—CRANKSHAFT

Material	(a)	Cast ductile iron	(a)
Vibration damper type	Non-adhesive, rubber, dynamic		
End thrust taken by bearing (No.)	Three		
Crankshaft end play	.002 - .007		
Main bearing	Material & type		Lead-base babbitt on steel, removable, precision (d) •
	Clearance		.0002 - .0022 specified, .0005 - .0015 desired
	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 1.562 2.625 x 0.944
		No. 6	-- --
		No. 7	-- --
	Dir. & amt. cyl. offset		None
Crankpin journal diameter	2.187	2.125	2.375

ENGINE—CAMSHAFT

Location		Right	Center of "V"				
Material		Hardenable cast iron; oil pump and distributor drive cast integrally					
Bearings	Material	Lead-base babbitt on steel					
	Number	Four	Five				
Type of Drive	Gear or chain		Chain		(b)	Chain	
	Crankshaft gear or sprocket material		(c)		Steel	(c)	
	Camshaft gear or sprocket material		Cast iron	Nylon-coated aluminum		Cast iron	Nylon-coated aluminum
	Timing chain	No. of links	50	68			50
		Width	.88	.63		.87	.75
		Pitch	.50	.375			.50

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)	NA	Std
Valve rotator, type (intake, exhaust)	Low-friction lock on exhaust	
Rocker ratio	1.5	
Operating tappet clearance (indicate hot or cold)	Intake	.010 hot Hydraulic
	Exhaust	.020 hot Hydraulic

- (a) Drop-forged steel
(b) Double-roller chain
(c) Malleable cast iron or sintered iron (Super Oilite)
(d) For the 340 CID engine, crankshaft main bearings are of aluminum alloy on steel, removable, precision.

(Continued)

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MODEL YEAR 1968

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MODEL	See Page 3 for Engine Usage			
	225 CID	318 CID	340 CID Man. Trans. Auto. Trans.	4-cyl., 383 CID

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	10	10	26	22	18
		Closes (°ABC)	50	50	70	66	58
		Duration - deg.	240	240	276	268	256
	Exhaust	Opens (°BBC)	50	58	78	74	64
		Closes (°ATC)	6	10	26	22	14
		Duration - deg.	236	248	284	276	260
	Valve opening overlap		16	20	52	44	32
Intake	Material		SAE 1041		Silchrome XB		SAE 1041
	Overall length		4.77	4.98	4.99		4.87
	Actual overall head dia.		1.62	1.78	2.02		2.08
	Angle of seat & face, deg		Seat: 44.5 - 45; valve: 45 - 45.5				
	Seat insert material		None				
	Stem diameter		.372 - .373				
	Stem to guide clearance		.001 - .003				
	Lift (@ zero lash)		.394	.372	.445	.430	.425
	Outer spring press. and length	Valve closed (lb. @ in.)	62 @ 1.65	92 @ 1.65	96 @ 1.65		115 @ 1.86
		Valve open (lb. @ in.)	154 @ 1.26	185 @ 1.28	242 @ 1.21		225 @ 1.43
	Inner spring press. and length	Valve closed (lb. @ in.)	None		Surge damper		None
		Valve open (lb. @ in.)	None		Surge damper		None
Exhaust	Material		21 - 4N				
	Overall length		4.80	5.00	5.00		4.89
	Actual overall head dia.		1.36	1.50	1.60		1.74
	Angle of seat & face, deg		47 - 47.5	Seat: 44.5 - 45; valve: 45 - 45.5			
	Seat insert material		None				
	Stem diameter		.371 - .372				
	Stem to guide clearance		.002 - .004				
	Lift (@ zero lash)		.390	.400	.455	.445	.437
	Outer spring press. and length	Valve closed (lb. @ in.)	62 @ 1.65	92 @ 1.65	96 @ 1.65		115 @ 1.86
		Valve open (lb. @ in.)	154 @ 1.26	192 @ 1.25	244 @ 1.20		227 @ 1.42
	Inner spring press. and length	Valve closed (lb. @ in.)	None		Surge damper		None
		Valve open (lb. @ in.)	None		Surge damper		None

ENGINE—LUBRICATION SYSTEM

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

(Continued)

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See Page 3 for Engine Usage

MODEL 225 CID 318 CID 340 CID 383 CID •

ENGINE – LUBRICATION SYSTEM (cont.)

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

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 flow		Two, reverse flow
Exhaust pipe dia. (O.D., wall thick.)	Branch Main	-- 1.88 x .075	1.75 x .075 2.00 x .075
Tail pipe dia. (O.D. & wall thickness)		1.75 x .043	1.88 x .043

ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard Optional	Induction system None
Make and model	(c)	2843257 (d) or 2843256 (e)
Location	Cylinder head cover outlet	
Energy source (manifold vacuum, carburetor air stream, other)	Manifold vacuum	
Control method (variable orifice, fixed orifice, other)	Variable orifice	
Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Intake manifold, at or below base of carburetor	
Air inlet (breather cap, carburetor air cleaner, other)	Tube from carburetor air cleaner intake horn to oil filler cap	
Flame arrestor (screen, check valve, other)	Check valve	

- (a) Change filter every second oil change; replacement part number: 1851658 (MoPar L-72) •
 (b) Recommended oil change interval: every three months or 4,000 miles whichever occurs first
 (c) Chicago Screw 2843258 or United Air Cleaner 2863189
 (d) Chicago Screw
 (e) United Air Cleaner

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All Models

MODEL _____

ENGINE - EXHAUST EMISSION CONTROL (a)

Type (Air injection, engine modifications, other) & name		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)	Manifold vacuum actuated control valve (b)	
	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		(c)	
Timing - Crank degrees @ rpm		See page 13	
Cooling System (describe changes)		None	
Exhaust System (describe changes)		None	

(a) Maintenance: Every 6 months inspect crankcase ventilator valve, oil filler pipe cap, associated hoses. Clean oil filler cap. Test ventilator valve for proper operation. Every year replace crankcase ventilator valve.

(b) Used with manual transmission only.

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

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MODEL

225 CID

318 CID

340 CID

383 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		Outside left rear fender			
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 2525254			
	Locations		Fuel tank; fuel supply line			
Carburetor	Choke type		Automatic, separate			
	Intake manifold heat control (exhaust or water)		Exhaust			
	Air cleaner type (a)	Standard	2206376	1739547	2863349	2402677
		Optional	None			
	Idle speed (spec. neutral or drive) (b)	Manual	650	650	700	650
		Automatic	650	600	650	600
		Idle A/F mix.	14.0 - 14.4			

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage		Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
				Make	Model		
Std, Exc Formula "S"		225	Manual	Holley	R-3919 A	1, 1-bbl	1.69
			Automatic		R-3920 A		
		318	Manual	Ball and Ball	BBD-4420 S	1, 2-bbl	1.44
			Automatic		BBD-4421 S		
Formula "S"	Std	340	Manual	Carter	AVS-4424 S	1, 4-bbl	P: 1.44 S: 1.69
			Automatic		AVS-4425 S		
	Opt	383	Manual		AVS-4426 S		
			Automatic		AVS-4401 S		

(a) Paper element. Clean air filter every 6 months. Replace every 2 years.

(b) Air conditioning off. Transmission in neutral.

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MODEL	225 CID		318 CID		340 CID		383 CID
	w/o AC	w/AC	w/o AC	w/AC	w/o AC	w/AC	w/o AC

ENGINE - COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)			Pressure-Vent				
Radiator cap relief valve pressure			16				
Circulation thermostat	Type (choke, bypass)		Choke, pellet				
	Starts to open at (°F)		177 - 184				
Water pump	Type (centrifugal, other)		Centrifugal				
	GPM @ 1000 pump rpm		NA				
	Number of pumps		One				
	Drive (V-belt, other)		V-belt				
Bearing type			Ball, integral shaft, permanently sealed				
By-pass recirculation type (inter., ext.)			External			Internal	
Radiator core type (cellular, tube and fin, other)			Tube and spacer				
Cooling system capacity	With heater (qt.) (c) Pg 12		13	18			17
	Without heater (qt.)		Heater is std				
	Opt. equipment-specify (qt.)		Add 1-qt for air conditioner				
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 (a)	7 (b)			
	Diameter		17	18			
	Ratio-fan to crankshaft rev.		1.07:1	1.10:1	.95:1	1.3:1	.95:1
	Fan cutout type		None		Viscous	None	Viscous
	Bearing type						
*Drive belts (indicate belt used by letter)	Fan		A	E	G	E	G
	Generator or alternator		A	E	G	E	G
	Water Pump		A	E	G	E	G
	Power Steering		B	C	F		
	Air Conditioning		--	D	--	D	--

* 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		
Nominal length (SAE)	57.00	36.50	38.38	53.00	46.50	38.75	48.00	46.00	41.00		
Width	.38	.38	.38	.50	.38	.50	.38	.38	.50		

(a) 76° - 104°

(b) 60° - 45° - 59° - 47° - 54° - 50° - 45°

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA MODEL YEAR 1968 DATE ISSUED 6-28-67 REVISED (*)1-31-68
See Page 3 for Engine Usage

MODEL

225 CID

318 CID

340 CID

383 CID

ELECTRICAL — SUPPLY SYSTEM

Battery	Make and Model (a)		24-MB-48		24-MB-59		
	Voltage Rtg. & Total Plates		12, 54		12, 66		
	SAE Designation & Amp. Hr. Rtg.		9 HC3, 48		9 HC3-A, 59		
	Location		Left front fender shield				
	Terminal grounded		Negative				
Generator or Alternator	Make		Chrysler				
	Model		2642537				
	Type and rating		Three-phase full-wave rectifier, 37				
	Output at engine idle (neutral)						
	Ratio—Gen. to Cr/s rev.		2.70:1		2.40:1		2.55:1
Regulator	Make		Chrysler				
	Model		2098300				
	Type		Voltage control				
	Cutout relay	Closing voltage generator rpm	--				
		Reverse current to open	--				
	Regu- lated	Voltage	13.6 - 14.5 @ 70°F ambient				
		Current	--				
	Voltage test conditions	Temperature	70 F				
		Load	15 amp				
Other		After running 15 min. at 1250 engine rpm with 15-amp load					

ELECTRICAL — STARTING SYSTEM

Starting Motor	Make		Chrysler		
	Model		2095150		
	Rotation (drive end view)		Clockwise		
Motor control	Switch (solenoid, manual)		Solenoid		
	Starting procedure		With transmission in "Neutral" or "Park" position, depress accelerator pedal fully and release, then turn ignition key beyond "Ignition On" position.		
Motor Drive	Engagement type		Solenoid		
	Pinion meshes (front, rear)		Front		
	Number of teeth	Pinion	10		
		Flywheel	Manual	122	130
			Auto.	122	130
		Flywheel tooth face width	Manual	.340	
Auto.	.340				

(a) MoPar

(c) (Refer to page 11) Protect cooling system with Glycol-Base antifreeze. Alcohol-Base anti-freeze is not recommended because of its low boiling point.

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA MODEL YEAR 1968 DATE ISSUED 6-28-67 REVISED (a) 1-31-68

See Page 3 for Engine Usage

MODEL	225 CID	318 CID	340 CID	383 CID
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ELECTRICAL — IGNITION SYSTEM

Type	Conventional — Std., Opt., N.A.		Std	
	Transistorized — Std., Opt., N.A.		NA	
	Other (specify)		--	
Coil	Make		Chrysler-Prestolite or Chrysler-Essex	
	Model		2444242 or 2444241	
	Amps	Engine stopped	3.0	
		Engine idling	1.9	
Distributor	Make		Chrysler	Prestolite Chrysler
	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.)		.017 - .023	.014 - .019
	Cam angle (deg.)		40-45	28-33 27-32 (a) 28-33
Timing	Breaker arm tension (oz.)		17 to 20	17 to 21.5 17 to 20
	Crankshaft deg. @ rpm		See Page 13A	
	Mark location		Crankshaft vibration damper	
Spark Plug	Make &	MoPar	P-6-6P	-- P-3-4P
	Model	Champion	N-14Y	N-9Y J-11Y
	Thread (mm)		14 mm	
	Tightening torque (lb. ft.)		30-32	
	Gap		.035	
	Conductor type		Resistor	
Cable	Insulation type		(b)	Synthetic rubber with Hypalon jacket
	Spark plug protector		Hypalon	Silicone

ELECTRICAL — SUPPRESSION

Locations & type	Resistance-type leads to coil and spark plugs
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- (a) Total, dual points - 37° to 42°
(b) Synthetic rubber with Neoprene jacket

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA

MODEL YEAR 1968

DATE ISSUED 7-6-67 REVISED (*)

AVAILABILITY

(See Page 3 for Engine Usage)

	225 CID	318 CID	340 CID	383 CID
Manual Trans.	2875364	2875342	2875086	2875356
Automatic Trans.	2875366		2875105	2875358
Timing	TDC @ 650	5 ATC @ 650	TDC @ 700	TDC @ 650
		2.5 ATC @ 600	5 BTC @ 650	5 BTC @ 650

SPECIFICATIONS

DISTRIBUTOR PART NUMBER	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine rpm			VACUUM ADVANCE Crankshaft Degrees at Inches of Mercury		
	Start	Intermediate	Maximum	Start	Intermediate	Maximum
2875086	0 @ 700-1000	0-10.6@1000	19.2-23.2@1540	0 @ 4.5-7.5	8-14 @ 8.9	14-20@10.5
2875105	0 @ 650- 950	0-7.2@950	14.2-18.2@1540	0 @ 4.5-7.5	8-14 @ 8.9	14-20@10.5
2875342	0 @ 650- 950	0-10@950	15.5-19.5@1400	0 @ 8.1-9.8	8-14 @ 12.4	16.5-21.5@15
2875356	0 @ 750-1050	0-12.4@1050	23.2-27.2@1600	0 @ 5-7.6	12-18@12.1	18-24@14.75
2875358	0 @ 750-1050	0-13@1050	20.2-24.2@1520	0 @ 5-7.6	12-18@12.1	18-24@14.75
2875364	0 @ 700-1000	0-7.4@1000	18.4-22.4@1740	0 @ 6.2-9.7	4-10 @ 11.9	7.4-12.4@13.8
2875366	0 @ 700-1000	0-7.4@1000	18.4-22.4@1740	0 @ 5-7	5-11 @ 8	7.5-12.5@8.7

AMA Specifications—Passenger Car

PLYMOUTH
 MAKE OF CAR BARRACUDA MODEL YEAR 1968 DATE ISSUED 5-22-67 REVISED (a)1-31-68

MODEL _____ All Models

ELECTRICAL - INSTRUMENTS AND EQUIPMENT

Speedometer	Type	In-line drive, pointer
	Trip odometer (yes, no)	Std - no; Opt, with 150 mph speedometer - yes
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	2-speed
	Type - Optional	Variable
Windshield washer	Type - Standard	Electric
	Type - Optional	--
Horn	Type	Four-inch sea shell
	Number used	Std 1, Opt 2
	Amp draw (each)	Spartan Automotive 6-8 amp; Prestolite 4-6 amp

DRIVE UNITS - CLUTCH (Manual Transmission)

MODEL		See Page 3 for Engine Usage					
		225 CID		318 CID		340 CID 383 CID	
		Std	Spec Equip	3 Spd	4 Spd		
Make & type		Auburn, dry-plate		Borg and Beck, dry-plate			
Type pressure plate springs		Coil					
Total spring load (lb.) min.		1330	1600	1992	2345		
No. of clutch driven discs		One					
Clutch facing	Material	Woven asbestos					
	Outside & inside dia.	9.25 x 6.0	9.5 x 6.5	10.0x6.0	10.5 x 6.5		
	Total eff. area(sq.in.)	77.8	75.8	100.5	106.8		
	Thickness	.114		.130	.125		
	Engagement cushioning 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					

AMA Specifications—Passenger Car

PLYMOUTH
 MAKE OF CAR BARRACUDA MODEL YEAR 1968 DATE ISSUED 6-29-67 REVISED (*)1-31-68
 See Page 3 for Engine Usage

MODEL	225 CID	318 CID	340 CID	383 CID
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DRIVE UNITS – TRANSMISSIONS

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

DRIVE UNITS – MANUAL TRANS.

Number of forward speeds		3	4
Transmission ratios	In first	2.95	2.66
	In second	1.83	1.91
	In third	1.00	1.39
	In fourth	--	1.00
	In reverse	3.80	2.58
Synchronous meshing, specify gears		3-speed: 2nd and 3rd; 4-speed: all forward speeds	
Shift lever location		3-speed: steering column; floor or console 4-speed: floor or console	
Lubricant	Capacity (pt.)	6.5	8.5
	Type recommended	(a)	
	SAE viscosity	Summer	(a)
	Winter	(a)	(a)
	Extreme cold	(a)	

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	--
Capacity (pt.) (Overdrive only)	--
Separate filler (yes, no)	--
Type recommended	--
SAE viscosity	Summer
Winter	--
Extreme cold	--

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

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

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

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA MODEL YEAR 1968 DATE ISSUED 6-29-67 REVISED ^(a) 1-31-68

MODEL	See Page 3 for Engine Usage			
	225 CID	318 CID	340 CID	383 CID

DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name	TorqueFlite Six or TorqueFlite Eight			
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	R: 2.20 D: 2.45 - 1.45 - 1.00 2: 2.45 - 1.45 1: 2.45			
Max. upshift speed—drive range	75	77	74	72
Max. kickdown speed—drive range	67	69	66	65
Torque converter	Number of elements	Three		
	Max. ratio at stall	2.1		
	Type of cooling (air, liquid)	Water		
	Nominal diameter	10.75		
Lubricant (a)	Capacity—refill (pt.)	16.0	17.5	
	Type recommended	Automatic Transmission Fluid, Type AQ-ATF, Suffix "A"		
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	With IVA	Tube	
	Manual 3-speed trans.	3.00 x 51.43 x .065	NA
	Manual 4-speed trans.	NA	2.75 x 48.60 x .065
	Overdrive transmission	NA	
	Automatic transmission	3.00 x 51.43 x .065	2.75 x 49.27 x .065 3.00 x 44.88 x .065

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

(Continued)

IVA: Internal vibration absorber

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

AMA Specifications—Passenger Car

PLYMOUTH
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See Page 3 for Engine Usage

MODEL

225 CID

318 CID

340 CID

383 CID

DRIVE UNITS – PROPELLER SHAFT (cont.)

Inter- mediate bearing	Type (plain, anti-friction)		None	
	Lubrication (fitting, prepack)		--	
Slip Yoke	Type		Slip spline	
	Number of teeth		25	29
	Spline O.D.		1.156	1.325
Universal joints	Make and Mfg. No.		Chrysler	
			7260	7290
	Number used		Two	
	Type (ball and trunnion, cross)		Cross	
	Rear attach. (u-bolt, clamp, etc.)		C-Clamp	
	Bearing	Type (plain, anti-friction)	Anti-friction	
		Lubric. (fitting, prepack) (a) Pg 18	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			Std: one-piece case, unitized carrier-housing Opt: SURE-GRIP, two-piece case	
Limited Slip differential, type			Torque bias	
Drive Pinion Offset			1.625	1.50
No. of differential pinions			Std: 2; Opt: Sure-Grip, 4	
Pinion adjustment (shim, other)			Solid shim (washer)	
Pinion bearing adj. (shim, other)			(b)	Shim pack
Wheel bearing type			Ball bearing	Tapered roller bearing
Lubricant	Capacity (pt.)		2.0	4.0
	Type recommended		Multipurpose Gear Lubricant (c)	
	SAE vis- cosity 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	2.93	3.23	3.55	3.91
No. of teeth	Pinion	17	14	13	11
	Ring gear	47	41	42	39
Ring Gear O.D.	7.25	8.75	7.25	7.25	8.75

(b) Solid shim (washer)

(c) As defined by MIL L-2105-B; use Chrysler Sure-Grip Differential Lubricant (Part No. 2585318) when equipped with SURE-GRIP differential. No oil change required in normal service, except to provide correct viscosity grade for temperatures as described above. Factory fill oil is satisfactory to -30°F.

AMA Specifications—Passenger Car

PLYMOUTH MAKE OF CAR <u>BARRACUDA</u>		MODEL YEAR <u>1968</u>		DATE ISSUED <u>6-30-67</u> REVISED (a) <u>1-31-68</u>	
		Drum Brakes		Disc Brakes	
MODEL _____		225 CID	340 CID	225 CID	318 CID
		318 CID		318 CID	340 CID
				27	383 CID

DRIVE UNITS – WHEELS (a)

Type & material		Disc, steel			
Rim (size & flange type)	Std.	4.5 J	5.5 J	4.5 J	5.5 J
	Opt.	5.5 J	--	5.5 J	--
Attachment	Type (bolt or stud)	Stud			
	Circle diameter	4.0			
	Number and size	Five, 7/16 - 20 NF			
MODEL _____					

DRIVE UNITS – TIRES

Standard	Size, ply rating, & ply	6.95-14, 4-2	E70-14, 4-2	6.95-14, 4-2	D70-14, 4-2	E70-14, 4-2
	Type (bias, radial, etc.)	Bias				
	Full rated Inflation Press.	30				
	Rev./Mile at 50 MPH	819	804	819	825	804
Optional	Size, ply rating, & ply	6.95-14, 4-4	--	6.95-14, 4-4	E70-14, 4-2	--
		D70-14, 4-2		D70-14, 4-2		
		E70-14, 4-2		E70-14, 4-2		

BRAKES – PARKING

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

- (a) Repack front wheel bearings whenever wheels are removed to inspect or service the brakes. Automotive Multipurpose Grease NLGI Grade 2 is recommended.
- (a) (Refer to page 17) Relubrication required only under severe conditions; then every 36,000 miles with Multipurpose Grease NLGI Grade 2EP.

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR BARRACUDA MODEL YEAR 1968 DATE ISSUED 6-29-67 REVISED (*) 1-31-68

MODEL	Drum Brakes		Disc Brakes
	225 CID	318 CID 340 CID	Std: 383 CID Opt: 225-, 318-, 340 CID

BRAKES—SERVICE (a)

Type (drum or disc)				Drum		Disc	
Self adjusting (std., opt., N.A.)				Std			
Power brake make & type (remote, int., etc.)		Std.		NA			
		Opt.		Integral, tandem			
Effective area (sq. in.) [*]				153.5	156.2	102.3	
Gross lining area (sq. in.) ^{**}				153.5	156.2	102.3	
Swept area (sq. in.) ^{***}				254.5	251.3	314.7	
Percent brake effectiveness—front							
Drum or Disc	Diameter (nominal)	Front		9 x 2.5/2.25	10 x 2.25	10.79 x 7.16	
		Rear		9 x 2.0	10 x 1.75		
	Type and material		Centrifuse or cast composite			Cast iron	
	Disc (vented or solid)		--			Vented	
Wheel cyl. inder bore	No. pistons per caliper		--			Four	
	Front		1.00	1.125	1.638		
	Rear		0.8125	0.8125	0.9375		
Master Cylinder	Bore		1-inch tandem				
	displacement distribution	Front	%				
		Rear	%				
Disc Brk. Valve	Type (proportion, delay, metering, other)						
Pedal arc ratio							
Line pressure at 100 lb. pedal load				800			
Shoe clearance adjustment				No major adjustment			
Brake lining	Drum or Disc			Drum		Disc	
	Bonded or riveted			Bonded			
	Front Wheel	Material		Molded asbestos			
		Size (length x width x thickness)	Prim. or out-board	7.66 x 2.25 x .19	8.46 x 2.25 x .19	1.84 x 4.82 x .4	
			Second. or in-board	9.82 x 2.50 x .24	11.06 x 2.25 x .24	1.84 x 4.82 x .4	
			Segments per shoe		One		
	Rear Wheel	Material		Molded asbestos			
		Size (length x width x thickness)	Prim. or out-board	7.66 x 2.00 x .19	8.46 x 1.75 x .19		
			Second. or in-board	9.82 x 2.00 x .24	11.06 x 1.75 x .24		
			Segments per shoe		One		

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

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

- (a) Inspect all brake linings for wear every 12,000 miles. Check master cylinder fluid level twice each year. Use only fluid conforming to SAE 70R3, or Chrysler Hi-Temp. Brake Fluid.

AMA Specifications—Passenger Car

MAKE OF CAR PLYMOUTH BARRACUDA MODEL YEAR 1968 DATE ISSUED 6-26-67 REVISED ^(a)

MODEL Six V-8

STEERING

Manual (std., opt., NA)				Std
Power (std., opt., NA)				Opt
Adjustable steering wheel (tilt, swing, other)		Type and description	--	
		(std., opt., NA)		
Wheel diameter		Manual	NA	
		Power	16.0	
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	16.0	
		Curb to curb (l. & r.)	40.5	
	Inside rear	Wall to wall (l. & r.)	37.8	
		Curb to curb (l. & r.)	21.9	
Outside whl. angle with inside whl. at 20°				22.6
Manual (a)	Gear	Type	18°	
		Make	Recirculating ball	
		Ratios	Gear	Chrysler
	Overall	Std: 24.0 to 1; Opt: 16.0 to 1		
		Std: 28.7 to 1; Opt: 19.15 to 1		
No. wheel turns		Std: 5.3; Opt: 3.6		
Power (b)	Type (coaxial, linkage, etc.)		Integral	
	Make		Chrysler	
	Gear	Type	Recirculating ball	
		Ratios	Gear	15.7 to 1
	Overall	18.8 to 1		
		Belt from crankshaft pulley		
	Pump driven by		3.5	
Number wheel turns		Parallelogram, trailing, equal length tie rods		
Linkage (c)	Type		Rear	
	Location (front or rear of wheels, other)		Transverse center link	
	Drag link (trans. or longit.)		Two	
	Tie rods (one or two)		7.5° @ 0°	
Steering Axis	Inclination at camber (deg.)		Ball joint	
	Bearings (type)	Upper	Ball joint	
		Lower	Ball joint	
	Thrust		Oil impregnated sintered metal	
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)		Manual strg: -0.5° ± 0.5°; Power strg: +0.75° ± 0.5°	
	Camber (deg.)		Left: +0.5° ± 0.25°, +0.5° preferred; Right see footnote (d)	
	Toe-in (outside track inches)		3/32" to 5/32", 1/8" preferred	
Steering spindle & joint type				Ball joint
Wheel Spindle	Diameter	Inner bearing	Drum 1.0619; Disc 1.2494	1.2494
		Outer bearing	Drum 0.6869; Disc 0.7494	0.7494
	Thread size		11/16-24 NEF-3A (e)	3/4-16 UNF - 3A
	Bearing type		Roller	

- (a) Check lubricant level in steering gear twice a year. If necessary, replenish with Multipurpose Gear Oil, SAE 90, to cover worm completely.
- (b) Check reservoir fluid level twice a year. Replenish to bottom of filler neck (cold) with power steering fluid part number 2084329.
- (c) Inspect tie rod ends and ball joints twice a year. Lubricate every 36,000 miles with long-life chassis grease part number 2525035.
- (d) +0.25° ± 0.25°, 0.25° preferred
- (e) For disc brakes: 3/4-16 UNF - 3A

AMA Specifications—Passenger Car

PLYMOUTH
 MAKE OF CAR BARRACUDA MODEL YEAR 1968 DATE ISSUED 6-29-67 REVISED (a) 1-31-68
 See Page 3 for Engine Usage
 MODEL 225 CID 318 CID 340 CID 383 CID

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
Shack absorber front & rear	Type	Direct
	Make	Chrysler
	Piston dia.	1.0
Other special features		--

SUSPENSION – FRONT (a)

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.)	35.8 x .83	35.8 x .87	35.8 x .89
	Spring rate (lb. per in.)	Not applicable		
	Rate at wheel (lb. per in.)	85	100	110
Stabilizer	Type (link, linkless, frameless)	NA	Std: 340 CID NA: 318 CID	Std, link
	Material & bar diameter	--	.88	.94

SUSPENSION – REAR (b)

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.)	55 x 2.5		
	Spring rate (lb. per in.)	85	110	130
	Rate at wheel (lb. per in.)	108	132	150
	Mounting insulation type	Rubber		
	If leaf	No. of leaves	5	6
Stabilizer	Type (link, linkless, frameless)	Compression		
	Material	None		
Track bar type		None		

- (a) Inspect front suspension ball joints twice a year. Replace damaged joints or seals. Lubricate every 3 years or 36,000 miles. Multimileage Lubricant Part Number 2525035 is recommended.
- (b) Do not lubricate rear springs, spring eye or shackle bushings, or shock absorber bushings. Lubricants cause deterioration of the bushings.

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MODEL

CONVENIENCE EQUIPMENT

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

Power windows	Side windows	NA		
	Vent windows	NA		
	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)		Opt		
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; except with tachometer or vacuum gauge		
Air conditioner (specify type and availability)		Opt: front unit or dealer-installed hang-on type		
Speed warning device		NA		
Speed control device		NA		
Ignition lock lamp		NA		
Dome lamp		Std	NA	Std (C-pillar)
Glove compartment lamp		NA		
Luggage compartment lamp		Opt		
Underhood lamp		Opt: dealer-installed		
Courtesy lamp, and map		Std		
Map lamp		--		
Auto. trans. quad. lamp		Std with automatic transmission		
Cornering light lamp		NA		
Shoulder belts		Std: front seat, Opt: rear seat		
Trip odometer		Opt		
Tachometer		Opt: V-8 only		
Trailer towing package		Opt		

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	

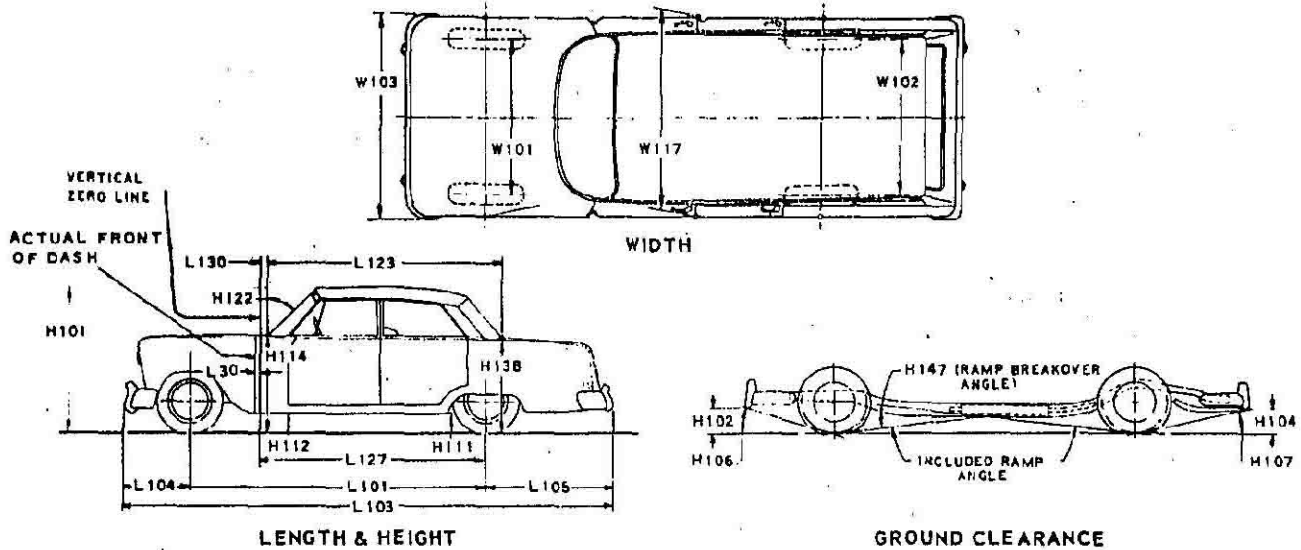
* If single headlamps are used enter here.

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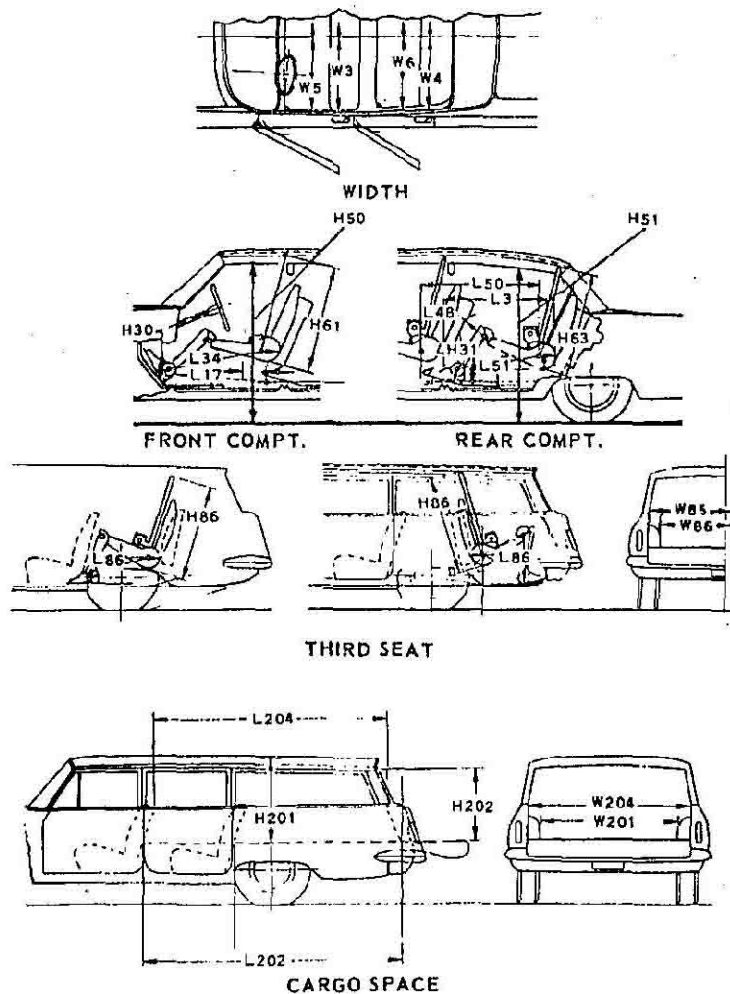
CAR AND BODY DIMENSIONS

KEY SHEET

EXTERIOR CAR AND BODY DIMENSIONS



INTERIOR CAR AND BODY DIMENSIONS



AMA Specifications—Passenger Car

CAR AND BODY DIMENSIONS

KEY SHEET

DIMENSION DEFINITIONS

EXTERIOR WIDTH DIMENSIONS

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

EXTERIOR LENGTH DIMENSIONS

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

EXTERIOR HEIGHT DIMENSIONS

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

GROUND CLEARANCE DIMENSIONS

- H102 BUMPER TO GROUND - FRONT. Minimum dimension, includes bumper guards.
 H104 BUMPER TO GROUND - REAR. Minimum dimension, includes bumper guards.
 H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
 H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
 H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference, measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle. This dimension may be determined by calculation (see Design Standard DD 0,00 - 108) or graphically for reporting purposes.
 H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

FRONT COMPARTMENT DIMENSIONS

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

FRONT COMPARTMENT DIMENSIONS (Cont.)

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

REAR COMPARTMENT DIMENSIONS

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

LUGGAGE COMPARTMENT DIMENSIONS

- V 1 LUGGAGE CAPACITY - USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place, determined in accordance with the Passenger Car Luggage Space Standard, DD 0,00 - 105.
 H195 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 wheelhouseings 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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