

AMA-40A
1970

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AMA Specifications—Passenger Car

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MANUFACTURER	CHRYSLER-PLYMOUTH DIVISION CHRYSLER CORPORATION	CAR NAME	CHRYSLER
MAILING ADDRESS	DETROIT, MICHIGAN 48231	MODEL YEAR	1970
		ISSUED:	9-22-69
		REVISED (●)	3-23-70

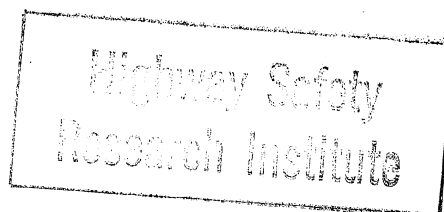
NOTES:

- 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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Car & Body Dimensions	1,2	Drive Units	14	Suspensions	21
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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 Coupe	4-Door Sedan	4-Door Hardtop	2-Seat Station Wagon
		23	27	41	43	45
Newport	V-8	CE 23	CE 27	CE 41	CE 43	
Newport Custom		CL 23		CL 41	CL 43	
300		CM23	CM27		CM43	
New Yorker		CH 23		CH 41	CH 43	
Town & Country						CP 45
						CP 46



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AMA Specifications—Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1970 DATE ISSUED 9-22-69 REVISED (•) 3-23-70

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.	23	27	41	43	45	46
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WIDTH

Track – Front	W101	62.1	
Track – Rear	W102	62.0	63.4
Maximum overall car width	W103	79.0	79.1
Body width at No. 2 pillar	W117	79.0	79.1

LENGTH

Body "O" to front of dash	L 30	-2.3			
Wheelbase	L101	124			122
Overall car length	L103	224.7			224.8
Overhang – front	L104	41.0			
Overhang – rear	L105	59.7			61.8
Body upper structure length	L123	104.5	109.6	113.9	--
Body "O" line to C of rear wheel	L127	101.8			99.8
Body "O" line to w/s cowl point	L130	4.4			

HEIGHT

Passenger Distribution (front & rear)		2-front, 3-rear					
Trunk/Cargo load (lbs.)		None				150	
Overall height		H101	54.7	54.8	55.9	55.3	58.1
Cowl height		H114	39.0				39.7
Deck height		H138	37.9	37.6	37.3		--
Rocker panel – front	To ground	H112	9.0 (a)				9.8
	From front wheel ℄		34.2				
Rocker panel – rear	To ground	H111	7.9				9.5
	From rear wheel ℄		18.1				16.1
Windshield slope angle		H122	53° 20'				

GROUND CLEARANCE

Bumper to ground – front	H102	14.2				14.1	
Bumper to ground – rear	H104	17.4				19.9	
Angle of approach	H106	20.2				14.0	
Angle of departure	H107	17.7				13.4	
Ramp breakover angle	H147	12.1				13.8	
Min. running clearance (Specify)	H156	4.8 (b)				7.3 (c)	

(a) 300, New Yorker: 8.9

(b) Fuel tank to ground

(c) Exhaust system to ground

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(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	23	27	41	43	45	46
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FRONT COMPARTMENT

Effective head room	H61	38.0	38.9	38.7	37.7	40.1	
Max. eff. leg room – accelerator	L34	41.7			41.8		
H Point to Heel point	H30	8.7			9.2		
H Point travel	L17			4.5			
Shoulder room	W 3		63.2				
Hip room	W 5	63.4			63.3		
Upper body opening to ground	H50	49.9 (f)	50.6	51.2	50.6	51.6	

REAR COMPARTMENT

H Point couple distance	L50	33.0		38.0		35.9	
Effective head room	H63	37.5	37.9	37.2		40.7	
Min. effective leg room	L51	35.2		41.5		39.1	
H Point to Heel point	H31	10.4		11.5		11.9	
Min. knee room	L48	3.1 (a)		7.5 (d)		5.2	
Rear Compartment room	L 3	26.4 (b)		31.4 (e)		29.0	
Shoulder room	W 4	62.5	59.6	63.3		62.7	
Hip room	W 6	63.4	58.7	63.3		63.4	
Upper body opening to ground	H51	--		50.9	50.0	51.6	

LUGGAGE COMPARTMENT

Usable luggage capacity	V 1		22.0				
Liftover height	H195		29.4				
Position of spare tire storage			Floor		Wheel well		
Method of holding lid open			Torsion bar		--		

STATION WAGON – THIRD SEAT

Shoulder Room	W85		48.5	
Hip room	W86		41.3	
Effective leg room	L86		32.4	
Effective head room	H86		36.4	
Seat facing direction			Rear	

STATION WAGON – CARGO SPACE

Cargo length at floor – front seat	L202		98.9	
Cargo length at belt – front seat	L204		88.2	
Cargo width – Wheelhouse	W201		48.5	
Opening width at belt	W204		51.2	
Maximum cargo height	H201		32.4	
Rear opening height	H202		(g)	
Cargo volume index (cu. ft.) W4 X L204 X H201 1728	V2		104.2 (c)	

(a) New Yorker 2-door hardtop: 2.4

(f) New Yorker: 51.1

(b) New Yorker 2-door hardtop: 26.1

(g) 23.6 for tail gate; 29.0 for door

(c) Additional concealed cargo area for 2-seat station wagon: 9.0 cubic feet

(d) Newport: 6.8

(e) Newport: 31.0

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AMA Specifications—Passenger Car

MAKE OF CAR	CHRYSLER	MODEL YEAR	1970	DATE ISSUED	9-23-69	REVISED (e)	
See Page 3 for Engine Usage							
		383 CID		440 CID			
MODEL		1, 2-V	1, 4-V	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		4.32 x 3.75	
Piston displacement, cu. in.		383		440	
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	9.7:1	
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°6' 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		290 @ 4400	330 @ 5000	350 @ 4400	375 @ 4600
Publishing max. torque * (lb. ft. @ RPM)		390 @ 2800	425 @ 3200	480 @ 2800	480 @ 3200
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	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		0.220	0.224	
	No. 2 ring		0.220	0.224	
	No. 3 ring		0.228	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 CHRYSLER MODEL YEAR 1970 DATE ISSUED 9-23-69 REVISED (a)
 See Page 3 for Engine Usage

MODEL 383 CID All 440 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	(a)	(b)
	material, coating, etc.	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- ing	In rod or piston	None
		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	29.8
Length (center to center)		6.358	6.768
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)

(a) Cast iron, reverse twist and radius faced, tin-plated.

(b) Cast iron, twist and radius faced, tin-plated.

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See Page 3 for Engine Usage

MODEL 383 CID All 440 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 (a)	
	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	2.75 x 0.944
		No. 2	2.625 x 0.944	2.75 x 0.944
		No. 3	2.625 x 1.223	2.75 x 1.233
		No. 4	2.625 x 0.944	2.75 x 0.944
		No. 5	2.625 x 0.944	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	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	

(a) 440 CID: tin alloy on steel (#3 main only)

(Continued)

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See Page 3 for Engine Usage

MODEL	383 CID		440 CID	
	1, 2-V	1, 4-V	1, 4-V	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		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 (± zero lash)		0.425		0.450
	Outer spring press. & length	Valve closed (lb. ± in.)	125 @ 1.86	105 @ 1.86	•
		Valve open (lb. ± in.)	200 @ 1.42	234 @ 1.40	•
	Inner spring press. & length	Valve closed (lb. ± in.)	None		Surge damper
		Valve open (lb. ± in.)	None		Surge damper
Exhaust	Material		21-2N		
	Overall length		4.89		
	Actual overall head dia.		1.74		
	Angle of seat & face		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 (± zero lash)		0.437		0.465
	Outer spring press. & length	Valve closed (lb. ± in.)	125 @ 1.86	105 @ 1.86	•
		Valve open (lb. ± in.)	200 @ 1.42	234 @ 1.40	•
	Inner spring press. & length	Valve closed (lb. ± in.)	None		
		Valve open (lb. ± in.)	None		

ENGINE – LUBRICATION SYSTEM

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

(Continued)

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See Page 3 for Engine Usage

MODEL	383 CID	1, 2-V	1, 4-V	440 CID	1, 4-V	Hi-Perf
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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, 20W-40, 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 with crossover	Dual	Single with crossover (a)	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One muffler one resonator (b)	Two mufflers	One muffler one resonator (b)	Two mufflers
Exhaust pipe dia. (O.D., wall thick.)	2.00 x 0.075	--	2.00 x 0.075 (d)	--
Branch	2.50 x 0.075 (c)	2.25 x 0.075	2.50 x 0.120 (e)	2.50 x 0.075
Main	2.25 x 0.043	2.00 x 0.043	2.25 x 0.043 (f)	2.00 x 0.043
Tail pipe dia. (O.D. & wall thickness)	2.25 x 0.043	2.00 x 0.043	2.25 x 0.043 (f)	2.00 x 0.043

ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Optional	Induction system
			--
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 to oil filler cap	•
	Flame arrestor (screen, check valve, other)	Check valve	

- (a) Town & Country: dual
(b) Resonator not used on Town & Country
(c) Right branch 0.120 wall

- (d) Laminated
(e) Town & Country: 2.25 x 0.075 ; Laminated •
(f) Town & Country: 2.00 x 0.043

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MAKE OF CAR CHRYSLER MODEL YEAR 1970 DATE ISSUED 9-23-69 REVISED (*)

MODEL _____

All Models

ENGINE – EXHAUST EMISSION CONTROL

All Engines

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	

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

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.)		24 except - 23 on station wagons			
	Filler location		Rear center except left rear fender on station wagons			
Fuel Pump	Type (elec. or mech.)		Mechanical			
	Locations		Right front of engine			
	Pressure range		3.5 to 5.0			
Vacuum booster (std., optional, none)			None			
Fuel Filter	Type		Plastic element - fuel tank; paper element - fuel line			
	Locations		One in fuel tank, one in fuel supply line			
Carburetor	Choke type		Automatic, separate			
	Intake manifold heat control (exhaust or water)		Exhaust			
	Air cleaner type	Standard	Paper element			
		Optional	--			
	Idle speed (spec. neutral or drive) neutral	Manual	750	--		
		Automatic	650	700	650	800
		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		
All	383	Manual	Holley	R-4370 1A	R-4372 1A	1, 2-V	1.56
Without A/C		Automatic		R-4371 1A	R-4373 1A		
With A/C				R-4373 1A			
All		Manual	Carter	BBD-4725S	BBD-4727S		
Without A/C		Automatic		BBD-4726S	BBD-4728S		
With A/C				BBD-4894S			
Without A/C	383	Automatic	Carter	AVS-4736S	AVS-4734S	1, 4-V	P: 1.44 S: 1.69
With A/C				AVS-4732S			
All	440	Automatic	Holley	R-4366A	R-4360A	1, 4-V	1.56
Without A/C	440	Automatic	Carter	AVS-4738S	AVS-4740S	1, 4-V	1.69
With A/C				AVS-4741S			

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

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)	195	190	195
	Type (centrifugal, other)	Centrifugal		
Water pump	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.)	Internal			
Radiator core type (cellular, tube and fin, other)	Tube and spacer			
Cooling system capacity	With heater (qt.)	14.5	15.5	
	Without heater (qt.)	13.5	14.5	
	Opt. equipment-specify (qt.) A/C	16.0	17.0	
Water jackets full length of cyl. (yes, no)	No			
Water all around cylinder (yes, no)	Yes			
Radiator hose	Lower	Number and type (molded, straight)	One, molded	
		Inside diameter	1.75	
	Upper	Number and type (molded, straight)	One, molded	
		Inside diameter	1.50	
	By-pass	Number and type (molded, straight)	None	
		Inside diameter	--	
Fan	Number of blades & spacing	7		
	Diameter	18.0		
	Ratio-fan to crankshaft rev.	0.95:1		
	Fan cutout type	Thermal		
	Bearing type	Ball, integral, shaft, permanently sealed		
* Drive belts (indicate belt used by letter)	Fan	Without A/C: A	With A/C: D	
	Generator or alternator	Without A/C: A	With A/C: E	
	Water Pump	Without A/C: A	With A/C: D	
	Power Steering	Without A/C: B	With A/C: B	
	Air Conditioning	Without A/C: C	With A/C: E	

* Drive Belt Dimensions	A	B	C	D	Dual ^E	F	G	H	I	J	K
Angle of V Degrees	36	36	36	36	36						
Nominal length (SAE)	44.7	42.5	59.0	36.5	59.0						
Width	.38	.38	.38	.38	.38						

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See Page 3 for Engine Usage						
MODEL	383 CID		440 CID			
	2-V	4-V	Std	Hi-Perf		

ELECTRICAL – SUPPLY SYSTEM

Battery	Make and Model (a)		2875320	2642969
	Voltage Rtg. & Total Plates		12, 66	12, 78
	SAE Designation & Amp. Hr. Rtg.		59 amp-hr	70 amp-hr
	Location		Left front fender side shield	
	Terminal grounded		Negative	
Generator or Alternator	Make		Chrysler	
	Model		3438172	
	Type and rating (b)		37 amp	
	Output at engine idle (neutral)		--	
	Ratio—Gen. to Cr/s rev.		2.55:1	
Regulator	Make		Chrysler	
	Model		2098300	
	Type		Voltage control	
	Cutout relay	Closing voltage @ generator rpm	--	
		Reverse current to open	--	
	Regu-lated	Voltage	13.5 to 14.5 @ 70°F ambient	
		Current	--	
	Voltage test conditions	Temperature	70°F	
		Load	15 amp	
		Other	After running engine 15 min. at 1250 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			(c)		
Motor Drive	Engagement type			Solenoid		
	Pinion meshes (front, rear)			Front		
	Number of teeth	Pinion		10		
		Flywheel	Manual	130	--	
			Auto.	130		
		Flywheel tooth face width		Manual	0.340	
	Auto.			0.340		

(a) Mopar

(b) Three-phase full-wave rectified

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

AMA Specifications—Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1970 DATE ISSUED 9-24-69 REVISED (*) 3-23-70

See Page 3 for Engine Usage

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

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	
	Model		3438231	3438233
	Cent'fgal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)	0 to 7.6 @ 1100	0 @ 950
		Intermediate points deg. @ rpm	15 to 19 @ 1700	16.5 @ 1600
		Max. deg. @ rpm	28 to 32 @ 4400	26 @ 3600
	Vacuum adv. in c/shaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	1.0 to 4 @ 7.5	1 to 8.6 @ 10.5
		Intermediate points, deg. @ in. Hg.	18.6 to 23.6 @ 12	19.4 to 24 @ 15.5
		Max. deg. in. Hg.	--	
	Breaker gap (in.)		0.016 to 0.021	
	Cam angle (deg.)		28.5 to 32.5	
	Breaker arm tension (oz.)		17 to 20	
	Crankshaft deg. @ rpm (a)		12-1/2 BTC (b)	
Spark Plug	Mark location		Vibration damper	
	Make &	Mopar	P-3-6P	P-3-4P
	Model	Champion	J-14Y	J-11Y
	Thread (mm)		14 mm	
	Tightening torque (lb. ft.)		30 to 32	
	Gap		0.035	
Cable	Conductor type		Resistor	
	Insulation type		Synthetic rubber with Hypalon jacket	
	Spark plug protector		Silicone	

ELECTRICAL – SUPPRESSION

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

- (a) Transmission in neutral, crankshaft degrees @ engine idle rpm (see page 10).
Distributor solenoid disengaged.
- (b) For manual transmission: 10 BTC

AMA Specifications—Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1970 DATE ISSUED 9-24-69 REVISED (•)

MODEL

All Models

ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speedometer	Type	Parallel drive pointer
	Trip odometer (yes,no)	Yes
Charge indicator – type		Ammeter
Temperature indicator – type		Lights
Oil pressure indicator – type		Light
Fuel indicator – type		Electric, thermal
Other		Brake system and parking brake warning light (a)
Windshield wiper	Type – Standard	Electric, 2-speed
	Type – Optional	Electric, 3-speed (b)
Windshield washer	Type – Standard	Electric
	Type – Optional	--
	Type	Four-inch sea shell
Horn	Number used	2
	Amp draw (each)	Sparton: 6-8 amp; Prestolite: 4-6 amp

DRIVE UNITS – CLUTCH (Manual Transmission)

		See Page 3 for Engine Usage
MODEL		383 CID 1, 2-V
Make & type		Borg & Beck
Type pressure plate springs		Coil
Total spring load (lb.)		2181
No. of clutch driven discs		One
Clutch facing	Material	Woven asbestos
	Outside & inside dia.	11.0 x 6.5
	Total eff. area (sq.in.)	123.6
	Thickness	0.135
	Engagement cushioning method	Flat-wave springs
Release bearing	Type & method of lubrication	Ball bearing, permanently lubricated
Torsional damping	Methods: springs, friction material	Coil springs and friction washers

(a) New Yorker: clock, electric

(b) New Yorker and Town and Country: electric, 3-speed, standard

AMA Specifications—Passenger Car

MAKE OF CAR	CHRYSLER	MODEL YEAR	1970	DATE ISSUED	9-24-69	REVISED (•)
		383 CID		440 CID		
MODEL	1, 2-V		1, 4-V		1, 4-V	

DRIVE UNITS – TRANSMISSIONS

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

DRIVE UNITS – MANUAL TRANS.

Number of forward speeds		3	
Transmission ratios	In first	2.55	
	In second	1.49	
	In third	1.00	
	In fourth	--	
	In reverse	3.34	
Synchronous meshing, specify gears		1, 2, 3	
Shift lever location		Column	
Lubricant	Capacity (pt.)	4.75	
	Type recommended	DEXRON Automatic Transmission Fluid, Type AQ-ATF-2848A	
	SAE viscosity number	Summer	NA
		Winter	NA
		Extreme cold	NA

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) Station wagon: NA; automatic transmission std

AMA Specifications—Passenger Car

MAKE OF CAR	CHRYSLER	MODEL YEAR	1970	DATE ISSUED	9-24-69	REVISED (•)	
See Page 3 for Engine Usage							
MODEL	383 CID			440 CID			
	2-V	4-V	4-V	4-V	Hi-Perf		

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	90	93	90	93
Max. kickdown speed—drive range	81	84	81	84
Torque converter	Number of elements	Three		
	Max. ratio at stall	2.0:1	2.1:1	2.0:1
	Type of cooling (air, liquid)	Liquid		
	Nominal diameter	11.75	10.75	11.75
Lubricant	Capacity—refill (pt.)	19.0	16.0	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.)	Internal vibration absorber		
Outer diam. x length* x wall thickness	Manual 3-speed trans.	3.25 x 58.17 x 0.065	--
	Manual 4-speed trans.	NA	
	Overdrive transmission	NA	
	Automatic transmission	3.25 x 58.17 x 0.065	3.25 x 57.93 x 0.065 (a)

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

(Continued)

(a) Station wagon: 32.5 x 55.68 x 0.065

AMA Specifications—Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1970 DATE ISSUED 9-24-69 REVISED (•)

See Page 3 for Engine Usage

MODEL 383 CID 1, 2-V 1, 4-V 440 CID

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		29	
	Spline O.D.		1.325	
Universal joints	Make and Mfg. No.		Chrysler 7290 (a)	Chrysler 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)	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		Separable	
Limited Slip differential, type		8-3/4 OD	
Drive Pinion Offset		Friction bias	
No. of differential pinions		1.50	
Pinion adjustment (shim, other)		Two	
Pinion bearing adj. (shim, other)		Shim	Washer
Wheel bearing type		Collapsible spacer	Shims
		Tapered roller	
Lubricant	Capacity (pt.)	4.0	
	Type recommended	MIL-L-2105B 2933565	
	SAE viscosity number	Summer	Above -10F SAE 90
		Winter	Between -10F and -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
No. of teeth	Pinion	17	13
	Ring gear	47	42
Ring Gear O.D.		8-3/4	

(a) Station wagon: 7260

AMA Specifications—Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1970 DATE ISSUED 9-24-69 REVISED (•) 3-23-70

MODEL _____
 Newport, Newport
 Custom, 300
 New Yorker
 Town & Country

MODEL _____

DRIVE UNITS – WHEELS

Type & material		Disc, steel		
Rim (size & flange type)	Std.	15 x 5.5 JJ (a)	15 x 6.0 JJ	15 x 6.5 JJ
	Opt.	15 x 6.0 JJ (b) 15 x 6.0 JJ (c)	15 x 6.0 JJ (b)	--
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		H78 x 15, 4-2/4	J78 x 15, 4-2/4	L84 x 15, 4-2/4 •
	Type (bias, radial, etc.)		Bias with fiberglass belt		
	Full rated Inflation Press.	Front	26	24	
		Rear	26	24	
	Rev./Mile at 50 MPH		727 (d)	723	707 (e) •
Optional	Size, ply rating, & ply		H70 x 15, 4-2/4 J 78 x 15, 4-2/4	--	

BRAKES – PARKING

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

- (a) 15 x 6.0 JJ standard on 300
 (b) Styled wheel
 (c) Standard wheel, used on H70 x 15 and J78 x 15 tires
 (d) With 24 psi front and rear
 (e) At 45 mph

AMA Specifications—Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1970 DATE ISSUED 9-24-69 REVISED (a)3-23-70

	Drum Brakes, Std	Disc Brakes, Opt
MODEL	383, 2-V & 383, 4-V	440 & 440 Hi-Perf
		Std 45, 46

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)			None		(a)		
Power brake make & type (remote, int., etc.)		Std.		--		Integral		
		Opt.		Integral		--		
Effective area (sq. in.) *				216.4	220.1	145.1		
Gross lining area (sq. in.) **				223.4	234.1	145.1		
Swept area (sq. in.) ***				362.8	380.1	393.3		
Front to Rear Effectiveness Relationship				Front 60%; rear 40%				
Drum	Diameter (nominal)	Front		11		--		
		Rear		11				
	Type and material		Cast composite or cast iron					
Rotor	Outer working diameter			--		11.75		
	Inner working diameter			--		7.725		
	Working width			--		2.0		
	Material & type (vented/solid)			--		Cast iron-vented		
Wheel cylinder bore	Front			1.187		2.75		
	Rear			.9375				
Master Cylinder	Bore			1.0		1.125		
	displacement	Front	%	60		75		
		Rear	%	40		25		
	Pedal arc ratio				Manual: 6.7 Power: 3.12			
Line pressure at 100 lb. pedal load				1235		1155		
Shoe Clearance	Front			No major adjustment				
	Rear			"				
Brake lining	Bonded or riveted			Bonded				
	Front Wheel	Material		Molded asbestos				
		Size (length x width x thickness)	Prim. or out-board	9.31 x 2.75 x 0.19	9.31 x 3.00 x 0.19	10.13 x 0.44 (b)		
			Second. or in-board	11.97 x 2.75 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	9.31 x 2.5 x 0.19				
			Second. or in-board	11.97 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 valve; rear: residual pressure valve

(b) Area x thickness

AMA Specifications—Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1970 DATE ISSUED 9-24-69 REVISED (6)

	E, L, M	H	P
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MODEL

STEERING

Manual (std., opt., NA)			Std		NA	
Power (std., opt., NA)			Opt		Std	
Adjustable steering wheel (tilt, swing, other)		Type and description	Tilt and telescope			
		(std., opt., NA)				
Wheel diameter		Manual	16.0		--	
		Power	16.0			
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	Manual: 47.5		47.4	47.9
		Curb to curb (l. & r.)	44.3		44.2	44.9
	Inside rear	Wall to wall (l. & r.)	26.6		26.5	27.0
		Curb to curb (l. & r.)	27.4		27.2	27.7
Manual	Gear	Type		Recirculating ball		
		Make		Chrysler		
		Ratios	Gear	24.0:1		
			Overall	29.2:1		
	No. wheel turns (stop to stop)		5.8			
Power	Type (coaxial, linkage, etc.)		Integral			
	Make		Chrysler			
	Gear	Type		Recirculating ball		
		Ratios	Gear	15.7:1		
			Overall	19.12:1		
	Pump driven by		Belt from crankshaft pulley			
	No. wheel turns (stop to stop)		3.5			
Linkage	Type		Parallelogram, trailing, equal length tie rods			
	Location (front or rear of wheels, other)		Rear			
	Drag link (trans. or longit.)		Transverse center link			
	Tie rods (one or two)		Two			
Steering Axis	Inclination at camber (deg.)		9.0° @ 0°			
	Bearings (type)	Upper	Ball joint			
		Lower	Ball joint			
		Thrust	Oil impregnated sintered metal			
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)		Manual strg: -1/2 ± 9/16		Power strg: -1/2 ± 9/16	
	Camber (deg.)		Left: +1/2 ± 1/4		Right: +1/4 ± 1/4	
	Toe-in (outside track inches)		1/8 ± 1/16			
Steering spindle & joint type			Ball joint			
Wheel Spindle	Diameter	Inner bearing	1.2494			
		Outer bearing	0.7494			
	Thread size		3/4-16 UNF-3A			
	Bearing type		Roller			

AMA Specifications—Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1970 DATE ISSUED 9-26-69 REVISED (•)
 Except 45, 46

MODEL 383, 2-V 383, 4-V 440 440 Hi-Perf All 45, 46

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 & 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, non-parallel control arms and torsion bar springs		
Spring	Type	Torsion bar		
	Material	Chromium alloy steel		
	Size (coil design height & I.D.; bar length x dia.)	47 x 0.96	47 x 0.98	47 x 0.96
	Spring rate (lb. per in.)	NA		
	Rate at wheel (lb. per in.)	113		
Stabilizer	Type (link, linkless, frameless)	Link		
	Material & bar diameter	Std 0.88	0.94	

SUSPENSION – REAR

Type and description			Parallel, longitudinal leaf			
Drive and torque taken through			Rear springs			
Spring	Type		Semielliptic asymmetrical			
	Material		Chromium alloy steel			
	Size (length x width,coil design height & I.D.;bar length & dia.)		62" x 2-1/2"			
	Spring rate (lb. per in.)		100		130	125
	Rate at wheel (lb. per in.)		110		138	147
	Mounting insulation type		Rubber			
	If leaf	No. of leaves	5	6	7	6-1/2
		Shackle(comp.or tens.)		Compression		
Stabilizer	Type (link,linkless,frameless)		None			
	Material		--			
Track bar type			None			

AMA Specifications—Passenger Car

MAKE OF CAR CHRYSLER MODEL YEAR 1970 DATE ISSUED 9-26-69 REVISED (•)

23	27	41	43	45	46
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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	--	Front		
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		Not applicable			
Theft protection - type		Pin tumbler key locks on ignition switch, doors, luggage compartment, transmission and steering lock			
Vent window control method (crank, friction pivot)	Front	Crank			
	Rear	None			
Seat cushion type	Front	Formed wire			
	Rear	Formed wire		Zigzag	
	3rd seat	--	Zigzag		
Seat back type	Front	Coil	Formed wire		
	Rear	Formed wire		Coil	
	3rd seat	--	Coil		
Windshield glass type (i.e., single curved - laminated plate)		Single curved laminated 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		1317	1464	1317	1464
Side glass exposed surface area		1286	1171	1413	2993
Backlight glass exposed surface area		1033	893	1508	870
Total glass exposed surface area		3626	3381	4385	5327

AMA Specifications—Passenger Car

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Page 23

MAKE OF CAR CHRYSLER MODEL YEAR 1970 DATE ISSUED 9-26-69 REVISED (•)

	Newport	Newport Custom	300	New Yorker	Town and Country
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MODEL

CONVENIENCE EQUIPMENT

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

Power windows	Side windows	Optional		
	Vent windows	Optional		
	Backlight or tailgate	NA		Standard
Power seats (specify type as well as availability)		6-way optional		
Reclining front seat back (R-L or both)		Optional		R-only std
Front seat head restrainer (R-L or both)		Std - both		
Radios (specify type as well as availability)		Optional: AM push button; AM push button w/tape; AM-FM search tune; AM-FM stereo w/tape		
Rear seat speaker		Optional		NA
Power antenna		Optional		
Clock		Optional	Standard	Optional
Air conditioner (specify type and availability)		Optional: with or without automatic temperature control, integral heater		Optional (a)
Speed warning device		Included with speed control unit		
Speed control device		Optional with automatic transmission & power brakes only		
Ignition lock lamp		Opt	Std	
Dome lamp		Standard except NA on convertible		
Glove compartment lamp		Optional	Standard	
Luggage compartment lamp		Optional	Standard	
Underhood lamp		Optional; dealer-installed		
Courtesy lamp and map lamp		Optional	Standard	
Map lamp		See above		
Auto. trans. quad. lamp		Std w/automatic trans.	Standard	
Cornering light lamp		Optional		
Safeguard sentinel		Optional		
Electric door locks		Optional		
Shoulder belt		Std, front; Opt, rear, except NA convertible		
"Headlight On" buzzer		Optional		

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.

(a) Single or dual unit with or without automatic temperature control, with integral heater.

Form Rev. 3-67

WEIGHTS

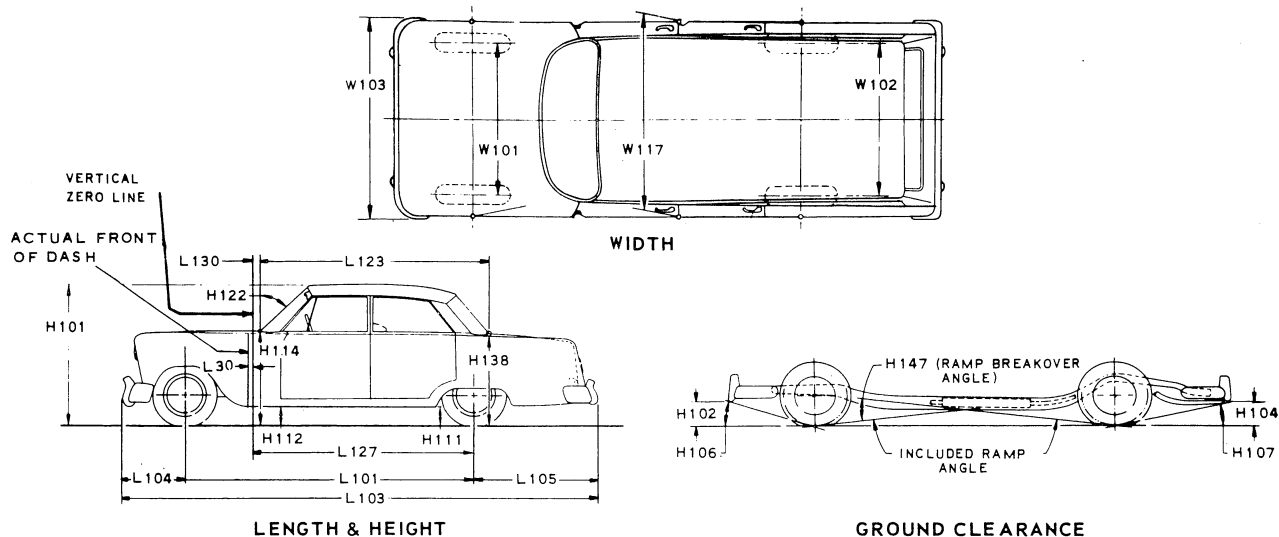
*Reference – SAE Aerospace-Automotive drawing standards, Section E 1.02 (d).

AMA Specifications—Passenger Car

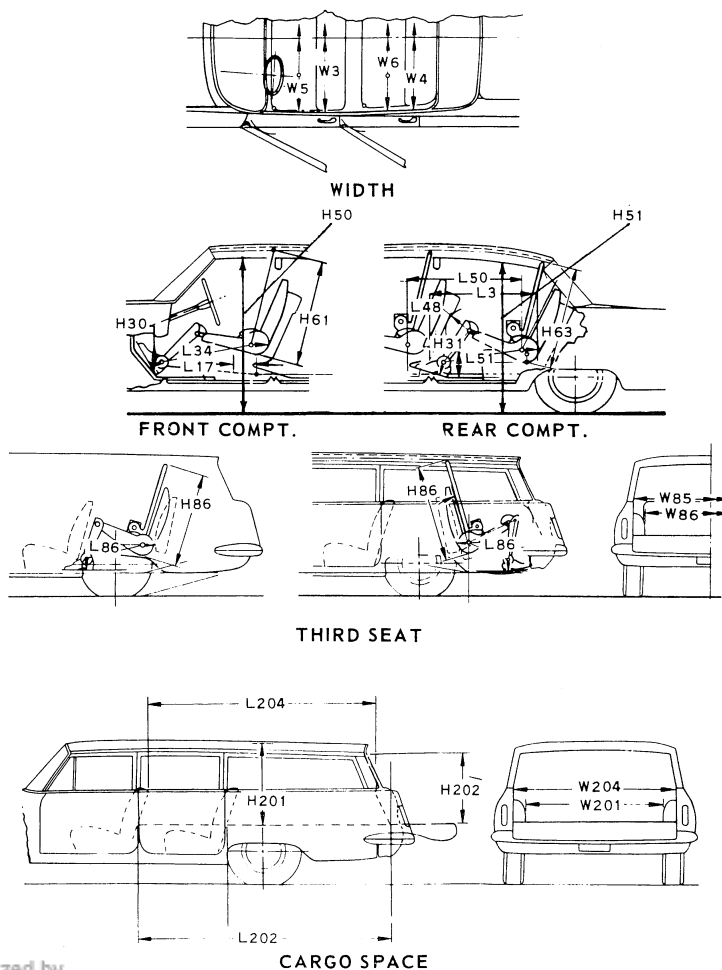
CAR AND BODY DIMENSIONS

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.
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 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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AMA Specifications—Passenger Car

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