

1978



Specifications Form

Passenger Car

Manufacturer CHRYSLER-PLYMOUTH CHRYSLER CORPORATION	Car Line CHRYSLER	
Mailing Address DETROIT, MICHIGAN 48288	Model Year 1978	Issued: 7-25-77
		Revised (●)

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The General Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.

MVMA Specifications Form

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NOTE: UNLESS OTHERWISE INDICATED:

- a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
- b. Nominal design dimensions are used throughout these specifications.
- c. All dimensions are in inches and weights are in pounds.

● A printed or computer tape supplement containing additional Car and Body Dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

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Car Line **CHRYSLER**
 Model Year **1978** Issued **7-25-77** Revised (●)

Car Models

Model Description (Include Line Drawings of Vehicles, if Desired)	Make, Car line, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load (Pounds)		
			<table border="1"> <tr> <td>2-DOOR HARDTOP 23</td> <td>4-DOOR HARDTOP 43</td> </tr> </table>	2-DOOR HARDTOP 23	4-DOOR HARDTOP 43
2-DOOR HARDTOP 23	4-DOOR HARDTOP 43				
	NUMBER OF PASSENGERS FRONT/REAR		3/3		
	NEWPORT		<table border="1"> <tr> <td>CL23</td> <td>CL43</td> </tr> </table>	CL23	CL43
CL23	CL43				
	NEW YORKER BROUGHAM		<table border="1"> <tr> <td>CS23</td> <td>CS43</td> </tr> </table>	CS23	CS43
CS23	CS43				

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Car and Body Dimensions See Key Sheets, for definitions.

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each car line.

SAE Ref. No. refers to the definition published in SAE Recommended Practice.

J1100a "Motor Vehicle Dimensions," unless otherwise specified.

SAE Ref. No.	Body Type			
	23		43	
	L	S	L	S

Width

Tread - Front	W101	64.0			
Tread - Rear	W102	63.4			
Vehicle width	W103	79.7	79.5		
Body width at Sq. RP - front	W117	79.0	79.3	79.0	
Vehicle width - front doors open	W120	184.0	157.0		
Vehicle width - rear doors open	W121	--	156.0		

Length

Wheelbase	L101	123.9			
Vehicle length (a)	L103	227.1	231.0	227.1	231.0
Overhang - front	L104	42.5	45.4	42.5	45.4
Overhang - rear	L105	60.7	61.7	60.7	61.7
Upper structure length	L123	117.5	112.5	117.5	112.5
Rear wheel C/L "X" coordinate	L127	101.2			
Cowl point "X" coordinate	L125	0.3			

Height*

Passenger Distribution (front/rear)	PD1.2.3	2 FRONT, 3 REAR			
Trunk/Cargo load (lbs.)		NONE			
Vehicle height	H101	54.7			
Cowl point to ground	H114	38.0			
Deck point to ground	H138	37.3	37.6		
Rocker panel - front	To ground	9.0			
	From front wheel C/L	31.7			
Bottom of door closed-front to grd	H133	10.9	11.0	11.1	
Rocker panel - rear	To ground	8.1			
	From rear wheel C/L	18.7			
Bottom of door closed-rear to grd	H135	--	10.9		
Windshield slope angle	H122	55° 41'			

Ground Clearance*

Front bumper to ground	H102	11.6	12.3	11.6	12.3
Rear bumper to ground	H104	11.1	10.9	11.1	10.9
Bumper to grd. - front @ curb wt.	H103	12.17	12.75	12.17	12.75
Bumper to grd. - rear @ curb wt.	H109	13.97	13.77	13.97	13.77
Angle of approach	H106	18.1	17.0	18.1	17.0
Angle of departure	H107	11.5		11.1	
Ramp breakover angle	H147	12.0			
Rear axle differential to ground	H153	4.7			
Min. running ground clearance	H156	4.7			
Location of min. run. grd. clear.		REAR AXLE DIFFERENTIAL			

(a) INCLUDES GUARDS

*All vehicle height and ground clearances are made at the manufacturer's Design Load Weight, unless otherwise specified.

Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

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Car And Body Dimensions See Key Sheets for definitions

SAE Ref. No.	Body Type			
	23		43	
	CL	CS	CL	CS

Front Compartment

Sq RP - front, "X" coordinate	L31	41.1	41.2	41.1	41.2
Effective head room	H61	37.9	38.1	37.9	38.1
Effective T Point head room	H75				
Max eff leg room - accelerator	L34	42.1	42.2	42.1	42.2
Sq RP - front to heel	H30	8.4	8.2	8.4	8.2
Design H-point front travel	L17	5.6	4.6	5.6	4.6
Shoulder room	W3	61.5	60.8	61.5	60.8
Hip room	W5	58.7	58.4	58.7	58.4
Upper body opening to ground	H50	52.0	50.0	51.7	50.5
Steering Wheel Angle	H18			22.5°	
Back Angle	L40			26°	

Rear Compartment

Sq RP Point couple distance	L50	37.0	36.9	37.0	36.9
Effective head room	H63			37.0	
Effective T Point head room	H76				
Min. effective leg room	L51	38.3	38.0	38.3	38.0
Sq RP - second to heel	H31			10.6	
Knee clearance	L48	4.0	3.4	4.0	3.4
Compartment room	L3	30.2	29.3	30.2	29.3
Shoulder room	W4	60.4	59.9	61.6	60.8
Hip room	W6	57.8	57.0	58.5	58.1
Upper body opening to ground	H51			55.0	

Luggage Compartment

Usable luggage capacity (cu. ft)(a)	V1		22.2		
Liftover height	H195	28.1	28.2	28.1	28.2
Position of spare tire storage				KICKUP SHELF	
Method of holding lid open				TORSION BAR	

(a) ESTIMATED

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Car And Body Dimensions See Key Sheets for definitions

Body Type

SAE Ref. No.	
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Station Wagon — Third Seat

Shoulder Room	W85	/
Hip room	W86	
Effective leg room	L86	
Effective head room	H86	
Effective T Point head room	H89	
Seat facing direction	SD1	

Station Wagon — Cargo Space

Cargo length - open - front	L200	/
Cargo length - open - second	L201	
Cargo length - closed - front	L202	
Cargo length - closed - second	L203	
Cargo length at belt - front	L204	
Cargo length at belt - second	L205	
Cargo width - wheelhouse		
Rear opening width at floor	W203	
Opening width at belt	W204	
Max. rear opening width above belt	W205	
Cargo height	H201	
Rear opening height	H202	
Tail gate to ground height (curb wt.)	H250	
Front seat back to load floor height	H197	
Cargo volume index (cu. ft.)	V2	
Hidden cargo volume (cu. ft.)	V4	

Hatchback — Cargo Space

Front seat back to load floor height	H197	/
Cargo length at front seat	L208	
Back Height		
Cargo length at floor - front	L209	
Cargo volume index (cu. ft.)	V3	
Hidden cargo volume (cu. ft.)	V4	

A printed or computer tape supplement containing additional car and body dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

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Power Teams (Indicate whether standard or optional)

SAE Net bhp (brake horsepower) and net torque corrected to 85° F and 29.38 in. Hg atmospheric pressure.

ALL ENGINES WITH ELECTRONIC LEAN BURN SYSTEM EXCEPT 360-4V

SERIES AVAILABILITY	ENGINE						TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio) SG—SURE GRIP
	Displ cu. in.	Carb.	Compr. Ratio	SAE Net @ RPM		Exhaust System*		
				BHP	Torque			
49 STATES								
OPT - L	360	2-V	8.4	155 @ 3600	270 @ 2400	S	AUTOMATIC	2.71, 2.71 SG
STD - L, S	400	4-V	8.2	190 @ 3600	305 @ 3200	S	AUTOMATIC	2.71, 2.71 SG
OPT - L, S	440	4-V	8.2	195 @ 3600	320 @ 2000	S	AUTOMATIC	2.71, 2.71 SG 3.21, 3.21 SG
49 STATES - HIGH ALTITUDE								
STD - L OPT - S	360	4-V	8.2	170 @ 4000	270 @ 1600	S	AUTOMATIC	3.21, 3.21 SG
STD - S OPT - L	440	4-V	8.2	185 @ 3600	310 @ 2400	S	AUTOMATIC	3.21, 3.21 SG
CALIFORNIA								
STD - L, S	360	4-V	8.4	170 @ 4000	270 @ 1600	S	AUTOMATIC	2.71, 2.71 SG
OPT - L, S	440	4-V	8.2	185 @ 3600	310 @ 2400	S	AUTOMATIC	2.71, 2.71 SG

*S — Single D — Dual

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Engine Description/Carb.

	360	400	440
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Engine — General

Type (inline, V, Flat)	90° V-8 OHV		
Total dressed engine wt. dry *			
No. of cylinders	EIGHT		
Bore	4.0	4.34	4.31
Stroke	3.58	3.38	3.75
Piston Displacement cu. in.	360	400	440
Bore spacing (C/L to C/L)	4.46		4.8
Cyl. 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		
Cylinder Head Material	CAST IRON		
Cylinder Block Material	CAST IRON		
Cylinder block deck height	9.589 / 9.609	9.975 / 9.985	10.720 / 10.730
Number of mtg. points	Front	TWO	
	Rear	ONE	
Engine installation angle	INCLINED REAR TO FRONT 3° .05'		
Recommended fuel (leaded, unleaded)	UNLEADED GASOLINE ONLY MUST BE USED IN VEHICLES EQUIPPED WITH CATALYST EMISSION CONTROL SYSTEMS		
Fuel antiknock index $\frac{(R+M)}{2}$	87 (MINIMUM)		
Cylinder Head Volume (cm ³)	68.4 TO 72.4	86.7 TO 89.7	
Head Gasket Thickness (Compressed)(CM*RV/2.3*EL/2)	0.032 TO 0.035	0.021 TO 0.023	
Head Gasket Volume (cm ³)	6.86 TO 7.57	5.41 TO 5.94	
Deck Clearance (minimum) (above or below block)	0.072 (BELOW)	0.090 (BELOW)	0.138 (BELOW)
Minimum Combustion Chamber Volume (cm ³)	98.42	114.12	125.45

Engine — Pistons

Material	ALUMINUM ALLOY		
Description and finish	CLOSED SLIPPER - TYPE, STEEL STRUT ELLIPTICALLY TURNED, TIN PLATED		
Weight (piston only) oz.	20.6	27.1	28.3
Clearance (limits)	Top land	0.026 MIN.	0.023 MIN.
	Skirt	Top	0.0005 TO 0.0015
		Bottom	-0.0005 TO 0.0015
Ring groove diameter	No. 1 ring	3.552	3.846
	No. 2 ring	3.552	3.846
	No. 3 ring	3.580	3.923

*Dressed engine weight includes the following:

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Engine Description/Carb.

360	400	440
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Engine - Piston Rings

Function (top to bottom)	No. 1. oil or comp.	COMPRESSION	
	No. 2. oil or comp.	COMPRESSION	
	No. 3. oil or comp.	OIL	
Compression	Description - #1	CAST IRON, TWIST AND RADIUS FACED, TIN PLATED (a)	
	material, coating, etc. #2	CAST IRON, REVERSE TWIST AND TAPER, LUBRITE COATED	
	Width	0.078	
	Gap	0.010 TO 0.020	0.013 TO 0.023
Oil	Description -	3-PIECE ABUTMENT - TYPE, STAINLESS STEEL EXPANDER	
	material, coating, etc.	WITH CHROME PLATED RAILS	
	Width	0.184	
	Gap	NOT APPLICABLE	
Expanders		SEE ABOVE	

Engine - Piston Pins

Material		CARBON STEEL - CARBURIZING GRADE	
Length		2.295	3.565
Diameter		0.9842	1.0936
Type	Locked in rod, in piston, floating, etc.	PRESS FIT IN ROD	
	Bushing	In rod or piston	NONE
Clearance	In piston	0.00025 TO 0.00075	0.00035 TO 0.00085
	In rod	0.0007 TO 0.0014 INTERFERENCE	
Direction & amount offset in piston		RIGHT 0.06	RIGHT 0.09

Engine - Connecting Rods

Material		DROP FORGED STEEL		
Weight (oz.)		26.7	28.6	29.8
Length (center to center)		6.123	6.358	6.768
Bearing	Material & Type	TRI-METAL	ALUMINUM ON STEEL	
	Overall length	0.843	0.927	
	Clearance (limits)	0.0005 TO 0.0030	0.0005 TO 0.0025	
	End Play	0.010 TO 0.015 (2 RODS)	0.009 TO 0.017 (2 RODS)	

(a) 360 - 4-V, COMPRESSION RINGS MOLY FILLED

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Engine Description/Carb.

360	400	440
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Engine—Crankshaft

Material		CAST DUCTILE IRON			
Vibration damper type		NON ADHESIVE, RUBBER TUNED, DYNAMIC			
End thrust taken by bearing (No.)		THREE			
Crankshaft end play		0.002 TO 0.010			
Main bearing	Material & type	ALUMINUM ON STEEL EXCEPT #5 BABBITT	ALUMINUM ON STEEL		
	Clearance	0.0005 TO 0.0025 SPECIFIED; 0.0010 TO 0.0020 DESIRED			
	Journal dia. and bearing overall length	No. 1	2.81 x 0.872	2.625 x 0.944	2.75 x 0.944
		No. 2	2.81 x 0.872	2.625 x 0.944	2.75 x 0.944
		No. 3	2.81 x 1.151	2.625 x 1.223	2.75 x 1.223
		No. 4	2.81 x 0.872	2.625 x 0.944	2.75 x 0.944
		No. 5	2.81 x 1.322	2.625 x 0.944	2.75 x 0.944
		No. 6	- -	- -	- -
		No. 7	- -	- -	- -
	Dir. & amt. cyl. offset	NONE			
No. bolts/main brg. cap	TWO				
Crankpin journal diameter		2.125	2.38		

Engine—Camshaft

Location		CENTER OF "V" ABOVE CRANKSHAFT			
Material		HARDENABLE CAST IRON; OIL PUMP AND DISTRIBUTOR DRIVE GEAR INTEGRAL			
Bearings	Material	LEAD-BASE BABBITT ON STEEL			
	Number	FIVE			
Type of Drive	Gear, chain or belt	SILENT CHAIN			
	Crankshaft gear or sprocket material	SINTERED IRON (SUPER OILITE)			
	Camshaft gear or sprocket material	HEAT STABILIZED NYLON TEETH ON ALUMINUM			
	Timing chain	No. of links	68	50	
Chain or Belt	Width	CHAIN, 0.63	CHAIN, 0.75		
	Pitch	0.375	0.50		

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Engine Description/Carb.

360	400	440
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Engine—Valve System

Hydraulic lifters (Std., opt., NA)		STANDARD			
Valve rotator, type (intake, exhaust)		LOW FRICTION LOCK: EXHAUST			
Push rods (dia., length, material)		0.280; 7.515; MS3179 0.310; 8.577; MS3179 0.310; 9.321; MS3179			
Rocker ratio		1.5:1			
Operating tappet clearance (indicate hot or cold)	Intake	HYDRAULIC			
	Exhaust	HYDRAULIC			
Timing (based on top of ramp points)	Intake	Opens (°BTC)	18	20	20
		Closes (°ABC)	54	60	60
		Duration (deg.)	252	260	260
	Exhaust	Opens (°BBC)	57	70	70
		Closes (°ATC)	15	18	18
		Duration (deg.)	252	268	268
	Valve open overlap (deg.)		33	38	
	Material		SAE 1041 OR SAE 1047 (a)		
	Overall length		4.98	4.86	4.86
	Actual overall head dia		1.88	2.08	2.08
Angle of seat & face (deg.)		SEAT: 44.5 TO 45; FACE: 45 TO 45.5 (FROM CENTERLINE)			
Seat insert material		NONE			
Stem diameter		0.372 TO 0.373			
Stem to guide clearance		0.001 TO 0.003			
Intake Valve	Lift (@ zero lash)		0.410	0.434	
	Outer spring press & length	Valve closed (lb. @ in.)	92 @ 1.65 (b)	125 @ 1.86	
		Valve open (lb. @ in.)	195 @ 1.24	200 @ 1.43	
	Inner spring press & length	Valve closed (lb. @ in.)	NONE		
		Valve open (lb. @ in.)	NONE		
	Material		21.2 (c)		
	Overall length		5.00	4.89	
	Actual overall head dia		1.60	1.74	
Angle of seat & face (deg.)		SEAT: 44.5 TO 45; FACE: 47 TO 47.5 (FROM CENTERLINE)	SEAT: 44.5 TO 45; FACE: 45 TO 45.5 (FROM CENTERLINE)		
Seat insert material		INDUCTION HARDENED (INTEGRAL)			
Stem diameter		0.371 TO 0.372	HOT END: 0.3713 TO 0.3720; COLD END: 0.3723 TO 0.3730		
Stem to guide clearance		0.002 TO 0.004	HOT END: 0.0020 TO 0.0037; COLD END: 0.0010 TO 0.0027		
Exhaust Valve	Lift (@ zero lash)		0.410	0.430	
	Outer spring press & length	Valve closed (lb. @ in.)	92 @ 1.65 (b)	125 @ 1.86	
		Valve open (lb. @ in.)	195 @ 1.24	200 @ 1.43	
	Inner spring press & length	Valve closed (lb. @ in.)	NONE		
		Valve open (lb. @ in.)	NONE		

- (a) SALES CODE E58 - 360-4V: USES MS-330
- (b) SALES CODE E58 - 360-4V: 113 @ 1.65
- (c) SALES CODE E58 - 360-4V: NIMONIC 80A

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Engine Description/Carb.

360		400	440
2-V	4-V		

Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	PRESSURE	
	Connecting rods	PRESSURE	
	Piston pins	METERED SPLASH	
	Camshaft bearings	PRESSURE	
	Tappets	PRESSURE	
	Timing gear or chain	METERED JET	
	Cylinder walls	METERED JET SPRAY	
Oil pump type	ROTARY		
Normal oil pressure (lb. @ engine rpm)	35 TO 65 @ 2000	50 TO 75 @ 2000	
Type oil intake (floating, stationary)	STATIONARY		
Oil filter system (full flow, part., other)	FULL FLOW		
Capacity of c/case, less filter-refill (qt.)	4		
Oil grade recommended (SAE viscosity and temperature range)	(a)		
Engine service reqmt. (SD, SE, etc.)	SE		

Engine — Exhaust system

Type (single, single with cross-over, dual, other)	SINGLE W/CROSSOVER		
Muffler No. & type (reverse flow, straight thru, separate resonator)	ONE REVERSE FLOW	ONE REVERSE FLOW W/SEPARATE RESONATOR	
Resonator No. & type	NONE	ONE STRAIGHT THRU	
Exhaust Pipe	Branch O. D., wall thickness	2.00 x .076 MIN.	2.25 x .076 MIN.
	Main O. D., wall thickness	2.50 x .076 MIN.	
	Material	ALUMINIZED STEEL TUBING	
Intermediate Pipe	O. D. & wall thickness	2.50 x .076 MIN.	
	Material	ALUMINIZED IN/OUT OF CONVERTER - C.R.S. FROM CONV. JOINT TO MUFFLER	
Tail Pipe	O.D. & wall thickness	2.25 x .043 MIN.	
	Material	ALUMINIZED STEEL TUBING	

- (a) CONSISTENTLY ABOVE +32°F . . . SAE: 20W-40, 20W-50, 30
 CONSISTENTLY ABOVE -10°F . . . SAE: 10W-30, 10W-40, 10W-50
 RANGE BETWEEN +32°F TO -10°F . . . SAE: 10W
 CONSISTENTLY BELOW +32°F TO -10°F . . . SAE: 5W-40
 CONSISTENTLY BELOW +10°F TO -20°F . . . SAE: 5W-20*, 5W-30
 *SAE 5W-20 NOT RECOMMENDED FOR SUSTAINED HIGH SPEED VEHICLE OPERATION

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Engine Description/Carb.

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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.)	26.5	
	Filter location	REAR CENTER	
Fuel Pump	Type (elec. or mech.)	MECHANICAL	
	Locations	RIGHT FRONT	
	Pressure range	5.75 TO 7.25	
Fuel Filter	Type	FUEL TANK (PLASTIC); FUEL LINE (PAPER)	
	Locations	ONE IN FUEL TANK, ONE IN SUPPLY LINE	
Carburetor	Choke type	AUTOMATIC, ELECTRIC ASSIST, SEPARATE	
	Intake manifold heat control (exhaust or water)	EXHAUST	
	Air cleaner type	Standard	PAPER ELEMENT
		Optional	NONE
	Idle speed (spec. neutral or drive)	Manual	- -
Automatic		750 750 750	
Idle A/F mix.	PROPANE IDLE ENRICHMENT; CHECK EMISSION CONTROL INFORMATION LABEL		

Carburetor Supplementary Information

Model Usage	Piston Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
8 CYL.	360	AUTOMATIC	HOLLEY	R8445A	1, 2-V	1.56 ●
				R7991A		
	400	AUTOMATIC	CARTER	TQ9134S* (a)	1, 4-V	P: 1.38
				TQ9140S		S: 2.25
440	AUTOMATIC	CARTER	TQ9109S	1, 4-V	P: 1.50	
			TQ9155S*		S: 2.25 ●	
			TQ9110S			●

*CALIFORNIA USAGE (a) HIGH ALTITUDE USAGE
 MVMA-C-78

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Engine Description/Carb.

360		400		440	
W/O AC	W/AC	W/O AC	W/AC	W/O AC	W/AC

Engine — Cooling System

Coolant recovery system (std., opt., none)		STANDARD: PRESSURE VENTED COOLANT RESERVE SYSTEM						
Radiator cap relief valve pressure		16						
Circulation thermostat	Type (choke, bypass)	CHOKE PELLET						
	Starts to open at (°F)	195						
Water pump	Type (centrifugal, other)	CENTRIFUGAL						
	GPM 1000 pump rpm	--						
	Number of pumps	ONE						
	Drive (V-belt, other)	V-BELT						
	Bearing type	BALL, INTEGRAL SHAFT, PERMANENTLY SEALED						
By-pass recirculation type (inter., ext.)		EXTERNAL						
Radiator core type (cross-flow, vertical, cellular, tube and fin, other)		TUBE AND SPACER						
Cooling system capacity	With heater (qt.)	16.0	16.5 (a)	16.0 (a)				
	Without heater (qt.)	--						
	Opt. equipment-specify (qt.)*	16.0	16.5 (a)	16.0 (a)				
Water jackets full length of cyl. (yes, no)		YES						
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)	ONE, MOLDED	NONE				
		Inside diameter	0.80	--				
Radiator	Standard	Width	28					
		Height	19.75					
		Thickness	0.81					
	A/C	Width	28	28				
		Height	19.75	19.75				
		Thickness	0.81	1.25				
	Heavy duty	Width	28	28				
		Height	19.75	19.75				
		Thickness	1.50	2.25				
	Fan (Standard)	Number of blades & spacing	5	7	5	7	5	7
		Diameter	20	20	20	20	20	20
		Ratio-fan to crankshaft rev.	1.10	1.25	1.10	1.25	1.10	1.25
Fan cutout type		FLEX	DRIVE	FLEX	DRIVE	FLEX	DRIVE	
Fan (Optional)	No. of blades and spacing	5	7	5	7	5	7	
	Diameter	20	20	20	20	20	20	
	Ratio - fan to crankshaft rev.	1.10	1.25	1.10	1.25	1.25	1.25	
	Fan cut-out type	FLEX	DRIVE	FLEX	DRIVE	FLEX	DRIVE	

*WITH AIR CONDITIONING (a) ADD 1 QT. WITH MAX. COOLING PACKAGE

MVMA Specifications Form Passenger Car

Car Line CHRYSLER
 Model Year 1978 Issued 7-25-77 Revised (●) _____

Engine Description/Carb.

360		440		400
49-STATES	CALIF.	49-STATES	CALIF.	

Vehicle Emission Control

	Type (Air injection, engine modifications, other)		AIR INJECTION, EXHAUST GAS RECIRCULATION, ENGINE MODIFICATION, CATALYTIC CONVERTER				CATALYTIC CONVERTER
	Air Injection Pump *	Type	POSITIVE DISPLACEMENT ROTARY VANE				--
Displacement		19 CID				--	
Drive ratio		1.22:1				--	
Drive type		V-BELT				--	
Relief valve (type)		SPRING LOADED VANE					
Filter (describe)		CENTRIFUGAL				--	
Air Injection System *	Air distribution (head, manifold, etc.)	EXHAUST MANIFOLD				--	
	Point of entry	EXHAUST PORT				--	
	Injection tube i.d.	.187				--	
	Check valve type	RUBBER DIAPHRAGM				--	
	Backfire protection (type)	DIVERTER VALVE				--	
Exhaust Emission Control Exhaust Gas Recirculation System (a)	Type (controlled flow, open orifice, other)	CONTROLLED FLOW				--	
	Valve type	VACUUM ACTUATED POPPET VALVE				--	
	Valve location	INTAKE MANIFOLD				--	
	Control energy source	AMPLIFIED VENTURI VACUUM				--	
	Exhaust source	INTAKE MANIFOLD-EXHAUST CROSSOVER				--	
	Exhaust cooler type	NONE				--	
	Orifice no. and size	TWO - .500 DIA.				--	
Catalytic Converter System	Catalyst	Type	OXIDATION				
		Volume C.I.	90	22+ 152	45	22 + 152	45
	Substrate type	MONOLITHIC					
	Container location	(b)	(c)	(b)	(c)	(b)	
Other	CARBURETOR	THERMOSTAT IN AIR CLEANER REGULATES INTAKE AIR TEMPERATURE					
	HEATED AIR	WITH AMBIENT AIR IN FRONT OF RADIATOR YOKE.					

- * THIS DATA ALSO APPLIES TO HIGH ALTITUDE FOR THE 360-4 & 440.
- (a) 400 DOES NOT USE EGR
- (b) UNDERSEAT AREA, BOTTOM OF FLOOR PAN
- (c) EXHAUST MANIFOLD AND UNDERSEAT AREA

MVMA Specifications Form

Passenger Car

Car Line CHRYSLER
 Model Year 1978 Issued 7-25-77 Revised (●) _____

Engine Description/Carb.

ALL

Vehicle Emission Control (Continued)

	Type (ventilates to atmos., induction system, other)	Standard	CLOSED INDUCTION SYSTEM
		Optional	- -
Crankcase Emission Control	Control Unit	Make and model	CHRYSLER INTROL DIVISION: 3671076
		Location	CYLINDER HEAD COVER
		Energy source (manifold vacuum, carburetor, other)	INTAKE MANIFOLD VACUUM
		Control method (variable orifice, fixed orifice, other)	VARIABLE ORIFICE
	Complete System	Discharges (to intake manifold, other)	CARBURETOR BASE
		Air inlet (breather cap, other)	CRANKCASE INLET AIR CLEANER
		Flame arrestor (screen, other)	CRANKCASE VENT VALVE AND AIR CLEANER
Evaporative Emission Control	Fuel Tank	Thermal expansion volume (cu. ft.)	(24 GAL. TANK - .065) (26.5 GAL. TANK - .072)
		Relief pressure (psi) and location	25" H ₂ O GAS CAP
		Vacuum relief (psi) and location	4" H ₂ O GAS CAP
		Vapor-liquid separator type	TANK TOP TUBE WITH ORIFICE
		Vapor vented to (crankcase, canister, other)	CANISTER
	Carbu- retor	Vapor vented to (crankcase, canister, other)	CANISTER
	Vapor Storage	Storage provision (crankcase, canister, other)	CANISTER - ONE
			360-4V HIGH ALTITUDE AND 440 USE 2 CANISTERS
		Volume (cu. ft.) or capacity (grams)	APPROX. 650 GRAMS 360-4V HIGH ALTITUDE AND 440 - APPROX. 1140
		Control valve type	IN CARBURETOR*

* 360-4V HIGH ALTITUDE AND 440-4V USE:
 CONTROL VALVE TYPE - CANNISTER - VACUUM DIAPHRAGM
 - CARBURETOR - PORT

MVMA Specifications Form

Passenger Car

Car Line **CHRYSLER**

Model Year **1978**

Issued **7-25-77**

Revised (●)

Engine Description/Carb.

360	400	440
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Electrical — Supply System

Battery	Make and Model		3755069 OPT/W 3755369	3755716
	Voltage Rtg & Total Plates		12-78	12-90
	SAE Designation No. and/or capacity		27-440/1 440 AMPS AT 0°F	T27-500 500 AMPS @ 0°F
	Location		LEFT FRONT FENDER SIDE SHIELD	
Generator or Alternator	Make		CHRYSLER	
	Model		4091565	
	Type and rating		60 AMP	
	Output at engine idle (neutral)		--	
Ratio—Gen to Cris rev		2.74:1		
Regulator	Make		CHRYSLER	
	Model		4091050	
	Type		VOLTAGE CONTROL	
	Regulated	Voltage	14.33 ± .010	
		Current	--	
	Voltage test conditions	Temperature	80°F	
		Load	5 AMPS	
Other		--		

Electrical — Starting System

Starting Motor	Make		CHRYSLER	
	Model		3755250	
Motor Drive	Engagement type		SOLENOID	
	Pinion engages from (front, rear)		FRONT	
	Number of teeth	Pinion	10	
		Flywheel	Manual	130
Auto	130			

MVMA Specifications Form Passenger Car

Car Line CHRYSLER
 Model Year 1978 Issued 7-25-77 Revised (●) _____

Engine
Description/Carb.

360		400	440
2V	4V		

Electrical — Ignition System — Distributor

Distributor	Manual	--		--		--	
	Automatic	4091140		4091709		4091711	
3874115 *							
Timing	Manual	--					
	Automatic	20 BTC	6 BTC*	20 BTC		12 BTC	

*CALIFORNIA USAGE

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at In. of Mercury	
	Start	Intermediate	Maximum	Start	Maximum
4091140	ELECTRONIC LEAN BURN SYSTEM				
4091709	ELECTRONIC LEAN BURN SYSTEM				
4091711	ELECTRONIC LEAN BURN SYSTEM				
3874115	1.3 TO 3.1 @ 600	5.8 TO 7.5 @ 800	10 TO 12 @ 2000	.8 TO 2.6 @ 7	10 TO 12 @ 12.5

MVMA Specifications Form Passenger Car

Car Line **CHRYSLER**
 Model Year **1978** Issued **7-25-77** Revised (●) **1-18-78**

Engine Description/Carb.

360	400	440
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Electrical—Ignition System

Type	Conventional - Std., Opt., N.A.	N.A.		
	Transistorized - Std., Opt., N.A.	STANDARD		
	Other (specify)	ELECTRONIC SPARK ADVANCE		
Coil	Make	ESSEX OR PRESTOLITE		
	Model	2444241 OR 2444242		
	Current	Engine stopped	3.0	
		Engine idling	1.9	
Spark Plug	Make	CHAMPION		
	Model	RN-12Y	OJ-13Y	
	Thread (mm)	14MM		
	Tightening torque (lb. ft.)	25-35		
	Gap	.035		

Electrical—Suppression

Locations & type	
------------------	--

Electrical—Instruments and Equipment

Speedometer	Type	MAGNETIC TORQUE DRIVE
	Trip odometer (std. opt., N.A.)	STANDARD
EGR maintenance indicator		--
Charge Indicator	Type	AMMETER (SHUNT TYPE)
	Warning device	LIGHT EMITTING DIODE: (OPT. CL) (STD. CS)
Temperature Indicator	Type	ELECTRIC THERMAL
	Warning device	LIGHT EMITTING DIODE: (OPT. CL) (STD. CS)
Oil pressure Indicator	Type	LIGHT
	Warning device	--
Fuel Indicator	Type	ELECTRIC THERMAL
	Warning device	LIGHT EMITTING DIODE: (OPT. CL) (STD. CS)
Windshield Wiper	Type - standard	ELECTRIC 2-SPEED
	Type - optional	ELECTRIC 2-SPEED INTERMITTENT WIPE
	Blade length	18 IN.
	Swept area	969.7 SQ. IN.
Windshield Washer	Type - standard	ELECTRIC (ARM MOUNTED)
	Type - optional	--
	Fluid level indicator	LIGHT: (OPT. CL) (STD. CS)
Horn	Type	FOUR-INCH SEA SHELL
	Number used	TWO
	Current draw (A) per horn	4-6
Other		

MVMA Specifications Form

Passenger Car

Car Line **CHRYSLER**

Model Year **1978**

Issued **7-25-77**

Revised (●)

Engine Description/Carb.

--

Drive Units—Clutch (Manual Transmission)

Make & type	/	
Type pressure plate springs		
Total spring load (lb.)		
No. of clutch driven discs		
Clutch facing		Material
		Manufacturer
		Part Number
		Rivets/Plate
		Rivet size
		Outside & inside dia.
		Total eff. area (sq. in.)
		Thickness
Release bearing		Engagement cushioning method
		Type & method of lubrication
Torsional damping		Methods: springs, friction material

Drive Units—Transmissions

Manual 3-speed (std., opt., N.A.)	NA
Manual 4-speed (std., opt., N.A.)	NA
Manual 5-speed (std., opt., N.A.)	NA
Manual overdrive (std., opt., N.A.)	NA
Automatic (std., opt., N.A.)	STANDARD

Drive Units — Manual Trans.

Number of forward speeds	/		
Transmission ratios		In first	
		In second	
		In third	
		In fourth	
		In fifth	
		In reverse	
Synchronous meshing, specify gears			
Shift lever location			
Lubricant		Capacity (pt.)	
		Type recommended	
		SAE viscosity number	Summer
			Winter
Extreme cold			

MVMA Specifications Form Passenger Car

Car Line **CHRYSLER**
 Model Year **1978** Issued **7-25-77** Revised (●)

Engine Description/Carb.

**ALL
A-727**

Drive Units—Automatic Transmission

Trade name		TORQUEFLITE
Type (describe)		TORQUE CONVERTER WITH AUTOMATICALLY OPERATED PLANETARY GEAR TRANSMISSION
Selector location		LEVER: STEERING COLUMN
Gear Ratios	P	--
	R	2.22
	N	--
	D	2.45, 1.45, 1.00
	L2	2.45, 1.45
	L1	2.45
Max. upshift speed - drive range mph		83
Max. kickdown speed - drive range mph		80
Torque Converter	Number of elements	THREE
	Max. ratio at stall	1.90:1
	Type of cooling (air, liquid)	LIQUID
	Nominal diameter	10.75
Lubricant	Capacity - refill (pt.)	16.5
	Type recommended	DEXRON AUTOMATIC TRANSMISSION FLUID
Special transmission features		PART-THROTTLE KICKDOWN (3-2)

Drive Units—Axle

Type (front, rear)		REAR
Description		UNITIZED
Limited Slip differential, type		FRICTION BIAS
Drive Pinion Offset		1.85
No. of differential pinions		TWO
Pinion adjustment (shim, other)		SHIM
Pinion bearing adj. (shim, other)		COLLAPSIBLE SPACER
Wheel bearing type		STRAIGHT ROLLER
Lubricant	Capacity (pt.)	4-1/2
	Type recommended	API GL-5 (MOPAR P.N. 3744994) (a)
	SAE viscosity number	ABOVE -10°F (SAE 90, SAE 80W-90, SAE 85W-90)
		AS LOW AS -30°F (SAE 80W, SAE 80W-90)
		BELOW -30°F (SAE 75W)

Axle Ratio Tooth Combinations (See "Power Teams" for axle ratio usage)

Axle ratio		2.71	3.21
No. of teeth	Pinion	17	14
	Ring gear	46	45
Ring Gear O D		8-1/4, 9-1/4	9-1/4

MVMA Specifications Form Passenger Car

Car Line CHRYSLER
 Model Year 1978 Issued 7-25-77 Revised (●)

Engine Description/Carb.

ALL

Drive Units—Propeller Shaft

Number used		ONE
Type (straight tube, tube-in-tube, internal-external damper, etc.)		INTERNAL VIBRATION ABSORBER
(a)	Outer diam. x length* x wall thickness	
	Manual 3-speed trans.	NA
	Manual 4-speed trans.	NA
	Manual 5-speed trans.	NA
	Overdrive	NA
	Automatic transmission	3.25 x 58 x 0.065
Inter- mediate bearing	Type (plain, anti-friction)	NONE
	Lubrication (fitting, prepack)	NONE
Slip Yoke	Type	SLIDING SPLINE
	Number of teeth	30
	Spline O. D.	1.323
Universal joints	Make and Mfg. No.	(CHRYSLER 7260: 360, 400) (7290: 440)
	Number used	TWO
	Type (ball and trunnion, cross)	CROSS
	Rear attach. (u-bolt, clamp, etc.)	CLAMP
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		PREPACK
Drive taken through (torque tube or arms, springs)		REAR SPRINGS
Torque taken through (torque tube or arms, springs)		- -

(a) LENGTH TO NEAREST INCH.

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

MVMA Specifications Form Passenger Car

Car Line **CHRYSLER**
 Model Year **1978** Issued **7-25-77** Revised (●) **1-18-78**

Body Type And/Or Engine Displacement, Etc.

NEWPORT	NEW YORKER
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Drive Units — Tires And Wheels (Standard)

TIRES	Size, load range, ply	GR78-15, B, 2/2	HR78-15, B, 2/2	
	Type (bias, radial, etc.)	STEEL RADIAL		
	Inflation pressure (cold) for recommended max vehicle load	Front	32 PSI	30 PSI
		Rear	32 PSI	30 PSI
	Rev./mile @ 45 mph	745		
WHEELS	Type & material	DISC STEEL		
	Rim (size & flange type)	15 x 5.5 JJ (.50)		
	Wheel offset	.50		
	Attachment	Type (bolt or stud)	STUD	
		Circle diameter	4.5	
		Number & size	5 - 1/2 - 20 NF	
Spare wheel (same or other)	SPACE SAVER STD.			

Drive Units — Tires And Wheels (Optional)

Size, load range, ply	JR78-15, B, 2/2	
Type (bias, radial, etc.)	STEEL RADIAL	
Wheel type & material	DISC STEEL	
Rim (size, flange type, and offset)	15 x 6.5 JJ (.50)	
Size, load range, ply	HR78-15, B, 2/2	
Type (bias, radial, etc.)	STEEL RADIAL	
Wheel type & material	DISC STEEL	
Rim (size, flange type, and offset)	15 x 5.5 JJ (.50)	
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		

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)	--
		--

MVMA Specifications Form Passenger Car

Car Line CHRYSLER
 Model Year 1978 Issued 7-25-77 Revised (●)

Body Type And/Or Engine Displacement

ALL

Brakes — Service

Brake Type (std., opt., N.A.)	Drum	Front	N.A.	
		Rear	STANDARD	
	Disc	Front	STANDARD	
		Rear	N.A.	
Self adjusting (std., opt., N.A.)			STANDARD	
Special Valving	Type (proportion, delay, metering, other)		FRONT: METERING - REAR: PROPORTIONING	
Power Brake (std., opt., N.A.)			STANDARD	
Booster Type (remote, integral, etc.)			INTEGRAL	
Effective area (sq. in.)*			137.46	
Gross lining area (sq. in.)**			140.02	
Swept area (sq. in.)***			384.37	
Drum	Diameter (nominal)	Front	--	
		Rear	11	
Type and material		CAST COMPOSITE, CAST IRON		
Rotor	Outer working diameter		11.62 O.D.; 8.26 I.D.	
	Inner working diameter		11.62 O.D.; 7.92 I.D.	
	Thickness		1.25	
	Material & type (vented/solid)		CAST IRON VENTED	
Wheel cylinder bore	Front		3.10	
	Rear		0.9375	
Master Cylinder	Bore		1.03	
	Stroke		1.487	
Pedal arc ratio			3.34	
Line pressure at 100 lb. pedal load psi			1150	
Shoe Clearance	Front		NO MAJOR ADJUSTMENT	
	Rear		NO MAJOR ADJUSTMENT	
Anti-skid device type (std., opt., N.A.)			N.A.	
Brake lining	Bonded or riveted, rivets/seg.		FRONT: MOLD BONDED; REAR: BONDED	
	Rivet size		--	
	Manufacturer		--	
	Part number		--	
	(a) Front Wheel	Material		MOLDED ASBESTOS
		Size (length x width x thickness)	Prim. or out-board	8.77 x 0.370
			Second. or in-board	8.86 x 0.470
		Segments per shoe		ONE (SLOTTED)
		Shoe thickness		INNER: 0.224; OUTER: 0.165
		Rear Wheel	Material	
	Size (length x width x thickness)		Prim. or out-board	9.27 x 2.40 x 0.189
			Second. or in-board	12.02 x 2.40 x 0.236
	Segments per shoe		ONE	
	Shoe thickness		0.0781	

* Excludes rivet holes, grooves, chamfers, etc.

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

*** Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.) (Disc brake: Square of Outer Working Dia. minus square of Inner Working Dia. multiplied by $\pi/2$ for each brake.)

(a) AREA x THICKNESS

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Car Line **CHRYSLER**
 Model Year **1978** Issued **7-25-77** Revised (●)

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Steering

Manual (std., opt., NA)		NOT AVAILABLE	
Power (std., opt., NA)		STANDARD	
Adjustable steering wheel (tilt, swing, other)	Type and description	TILT AND TELESCOPE	
	(std., opt., NA)	OPTIONAL	
Wheel diameter	Manual	-	
	Power	14.75 x 15.0	
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	48.04
		Curb to curb (l. & r.)	44.78
	Inside rear	Wall to wall (l. & r.)	26.86
		Curb to curb (l. & r.)	27.52
Manual	Gear	Type	
		Make	
	Ratios	Gear	
		Overall	
No. wheel turns (stop to stop)			
Power	Type (coaxial linkage, etc.)		INTEGRAL
	Make		CHRYSLER
	Gear	Type	RECIRCULATING BALL
		Ratios	Gear
	Overall		18.6:1
	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
Wht. Align (range at curb wt. & preferred)	Caster (deg.)		+ 3/4 (-1/2 TO + 2)
	Camber (deg.)		LEFT: + 1/2 (0 TO 1); RIGHT: + 1/4 (-1/4 TO + 3/4)
	Toe-in (outside track inches)		1/8 (1/16 TO 1/4 TOE IN)
Steering spindle & joint type		BALL JOINT	
Wheel Spindle	Diameter	Inner bearing	1.495
		Outer bearing	0.8647
	Thread size		3/4 - 16 UNF - 3A
	Bearing type		TAPERED ROLLER
Service checking	Caster (deg.)		SAME AS ABOVE
	Camber (deg.)		SAME AS ABOVE
	Toe-in (outside)		SAME AS ABOVE
Wheel Align @ curb wt	Service reset		SAME AS ABOVE
	Camber		SAME AS ABOVE
	Toe-in		SAME AS ABOVE
Periodic M.V. inspection	Caster		-3° TO + 3° (MAX. SIDE TO SIDE DIFFERENTIAL 2°)
	Camber		-3/4° TO 1-1/2°
	Toe-in		TOE 1/2" IN TO 1/8" OUT

MVMA Specifications Form Passenger Car

Car Line **CHRYSLER**
 Model Year **1978** Issued **7-25-77** Revised (●) **1-18-78**

Body Type And/Or Engine Displacement

STANDARD SUSPENSION		HEAVY DUTY SUSPENSION
360, 400	400	

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	INCLINED UPPER CONTROL ARMS AND ASYMMETRICAL REAR SPRINGS	
Provision for acc. squat control	ASYMMETRICAL REAR SPRINGS	
Special provisions for car jacking	NONE	
Shock absorber front & rear	Type	DIRECT
	Make	CHRYSLER (FRONT); MONROE (REAR)
	Piston dia.	1.0
Other special features	RUBBER ISOLATED FRONT CROSSMEMBER	

Suspension — Front

Type and description	INDEPENDENT, LATERAL, NON-PARALLEL CONTROL ARMS WITH TORSION BARS	
Travel	Full Jounce	4.0
	Full Rebound	3.5
Spring	Type (coil, leaf, other)	TORSION BAR
	Material	CARBON, MANGANESE, BORON STEEL
	Size (coil design height & I.D., bar length x dia.)	47 x 1.02
	Spring rate (lb. per in.)	458
	Rate at wheel (lb. per in.)	128
Stabilizer	Type (link, linkless, frameless)	LINK
	Material & bar diameter	SPRING STEEL .94

Suspension — Rear

Type and description	PARALLEL, LONGITUDINAL LEAF	
Drive and torque taken through	REAR SPRINGS	
Travel	Full Jounce	5.78
	Full Rebound	3.07
Spring	Type (coil, leaf, other)	SEMI-ELLIPTICAL, ASYMMETRICAL
	Material	CHROMIUM ALLOY STEEL (AISI 5160)
	Size (length x width, coil design height & I.D., bar length & dia.)	63 x 2.5
	Spring rate (lb. per in.)	103
	Rate at wheel (lb. per in.)	114
	Mounting insulation type	RUBBER
If leaf	No. of leaves	5
	Shackle (comp. or tens.)	TENSION
Stabilizer	Type (link, linkless, frameless)	NONE
	Material & bar diameter	- -
Track bar type	NONE	

MVMA Specifications Form

Passenger Car

Car Line CHRYSLER
 Model Year 1978 Issued 7-25-77 Revised (●) _____

Body Type	
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Frame

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

UNITIZED CONSTRUCTION WITH ISOLATED
STUB FRAME

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)	BUFFABLE ACRYLIC ENAMEL	
Hood counterbalanced (yes, no)	YES	
Hood release control (internal, external)	INTERNAL: STD.	
Vehicle Ident. No. location	LEFT END OF INSTRUMENT PANEL	
Vent window control method (crank, friction pivot, power)	Front	NONE
	Rear	NONE
Seat cushion type	Front	FORMED WIRE
	Rear	FORMED WIRE
	3rd seat	- -
Seat back type	Front	FULL VOLUME FOAM
	Rear	FORMED WIRE
	3rd seat	- -
Windshield glass type	LAMINATED SAFETY GLASS	
Side glass type	HEAT TREATED SAFETY GLASS	
Backlight glass type	HEAT TREATED SAFETY GLASS	
Windshield glass exposed surface area	1470	1470
Side glass exposed surface area	1702	1774
Backlight glass exposed surface area	1550	1550
Total glass exposed surface area	4722	4794
Method of holding luggage compart. lid open	SEE PAGE 3	

MVMA Specifications Form

Passenger Car

Car Line CHRYSLER
 Model Year 1978 Issued 7-25-77 Revised (●)

Body Type

ALL

Convenience Equipment

Power windows	Side windows	OPT. - NEWPORT, STD. NEW YORKER
	Vent windows	N.A.
	Backlight or tailgate	N.A.
Power seats (specify type as well as availability)		OPT: BENCH, SPLIT BENCH LEFT ONLY, SPLIT BENCH LEFT AND RIGHT NEW YORKER ONLY.
Reclining front seat back (R-L or both)		50/50 BENCH - RIGHT ONLY
Radios (specify type as well as availability)		AM, AM-FM, AM OR AM-FM STEREO W/CB TRANSCEIVER, AM OR AM-FM STEREO W/8 TRACK STEREO TAPE, AM-FM STEREO SEARCH TUNE
Rear seat speaker		(OPT.-SINGLE) (OPT.-DUAL-STD. W/STEREO SYSTEMS)
Power antenna		OPT.; PWR. TRI-BAND STD. W/CB TRANSCEIVER RADIOS
Clock		ELECTRONIC DIGITAL - OPT. NEWPORT; STD. NEW YORKER
Air conditioner (specify type and availability)		OPT: SINGLE MANUAL W/HEATER OPT: AUTOMATIC TEMPERATURE CONTROL
Speed warning device		N.A.
Speed control device		OPT.
Ignition lock lamp		OPT. NEWPORT; STD. NEW YORKER
Dome lamp		STD.
Glove compartment lamp		OPT. NEWPORT; STD. NEW YORKER
Luggage compartment lamp		OPT. NEWPORT; STD. NEW YORKER
Underhood lamp		N.A.
Courtesy lamp		STD.
Map lamp		STD.
Cornering lamp		OPT.
Rear window defroster electrically heated		OPT.
Rear window defogger		N.A.
Theft protection - type		LOCKING STEERING COLUMN - STD. INSIDE HOOD RELEASE - STD. LOCKING GAS CAPS - OPT.

Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (H125)	Highest**	
		Lowest	
	Tail (H126)	Highest	
		Lowest	
Sidemarker	Front		
	Rear		
Distance from C/L of car to center of bulb	Headlamp	Inside	
		Outside**	
	Tail	Inside	
		Outside	
	Directional	Front	
		Rear	

*Measured at curb weight

**If single headlamps are used enter here

MVMA Specifications Form Passenger Car

Chrysler

Car Line _____
 Model Year 1978 Issued 7-25-77 Revised (●) 1-18-78

Model	Vehicle Weights								Shipping Weight ** (Pounds)
	CURB WEIGHT * (Pounds)			% PASS. WEIGHT DISTRIBUTION					
	Front	Rear	Total	Pass. In Front		Pass. In Rear			
				Front	Rear	Front	Rear		
8 Cylinder Models									
Newport									
2 Door Hard Top	2441	2002	4443	50.2	49.8	22.7	77.3	4302	
4 Door Hard Top	2469	2042	4511	50.2	49.8	20.3	79.7	4370	
New Yorker Brougham									
2 Door Hard Top	2551	2076	4627	50.2	49.8	22.7	77.3	4486	
4 Door Hard Top	2579	2128	4707	50.2	49.8	20.3	79.7	4566	

Curb Weight – The weight of a standard car with automatic transmission and full quantities of oils, lubes, coolants, and fuel.

Shipping Weight – Same as curb weight except 3 gallons of gasoline.

MVMA Specifications Form Passenger Car

Car Line Chrysler
 Model Year 1978 Issued 7-25-77 Revised (●) 1-18-78

Equipment Differential Weights	Actual			Optional Equipment Weights*	Remarks
	WEIGHT (Pounds)				
	Front	Rear	Total		
Engine Options:					
400 cu. in. 4 bbl. Base				Newport	
360 cu. in. 2 bbl.	-108	23	-85		
440 cu. in. 4 bbl.	37	50	87		
400 cu. in. 4 bbl. Base				New Yorker Brougham	
440 cu. in. 4 bbl.	26	52	78		
Air Conditioning	81	-2	79	360 Engine	
	83	-2	81	400 & 440 Engine	
Power Door Locks	3	4	7	2 Door	
	3	5	8	4 Door	
Power Seat	7	6	13		
Power Windows				Standard on New Yorker Brougham	
	5	9	14	2 Door	
	5	8	13	4 Door	
Sun Roof - Power	19	28	47		
Full Vinyl Roof	2	5	7		
Radio - AM	4	2	6		
Radio - AM/FM/MX Stereo	7	6	13	W/8 Track Tape & Dual Rear Speakers	
Radio - AM/FM/MX Stereo	11	7	18	W/CB Transceiver & Dual Rear Speakers	
Speed Control	5	0	5		
Undercoating	13	12	25		
100 Amp Alternator	9	1	10	360 Engine W/O Air Conditioning	
	11	1	12	360 Engine W/Air Conditioning	
	13	0	13	400 Engine	
	14	0	14	440 Engine	
Elec. Heated Rear Window	1	1	2		

*Also see Engine-General section for dressed engine weight.

MVMA Specifications Form Passenger Car

CHRYSLER

Car Line _____
 Model Year _____ Issued _____ Revised (●) _____

Body Type

Vehicle Fiducial Marks

Fiducial Mark
Number *

Define Coordinate Location

Front

Rear

Fiducial
Mark
Number

Coordinate Location of
Fiducial Mark

Fiducial Mark
to Ground
at Curb

Front

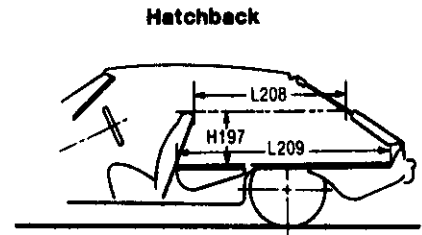
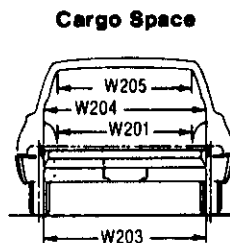
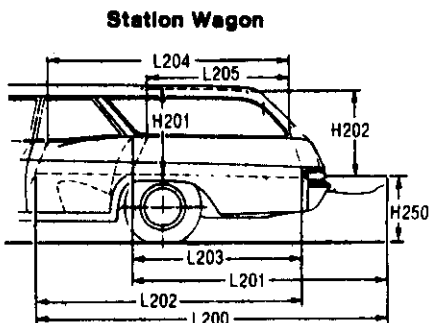
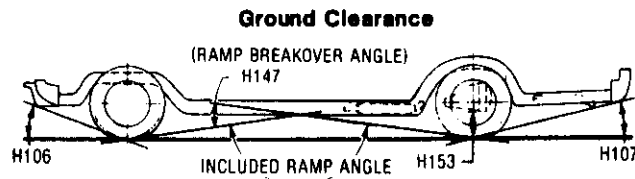
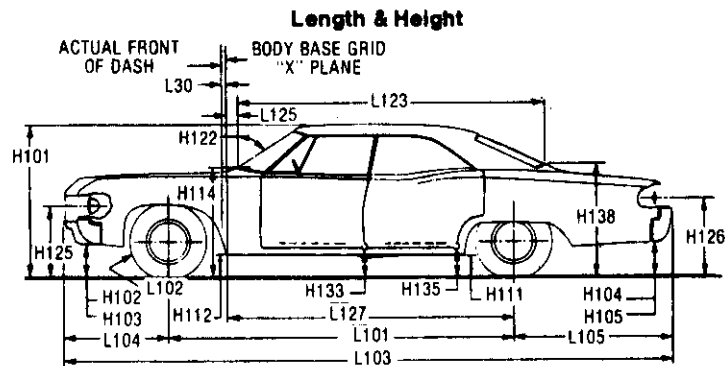
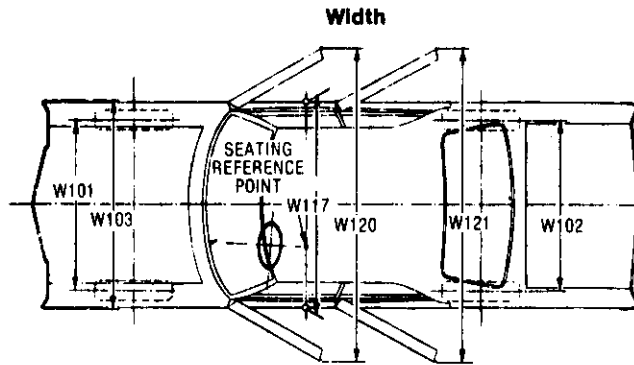
Rear

*Reference - SAE Recommended Practice, J182, A Motor Vehicle Fiducial Marks - September, 1973

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1

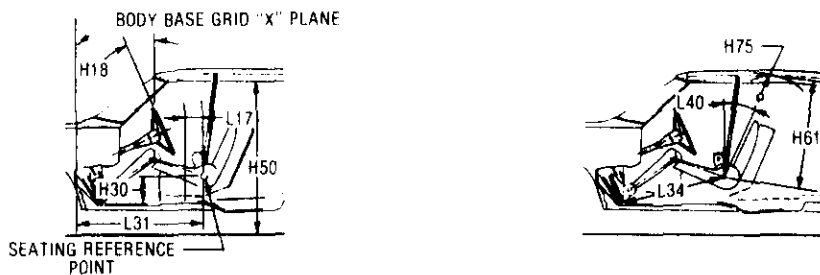
Exterior Car And Body Dimensions — Key Sheet



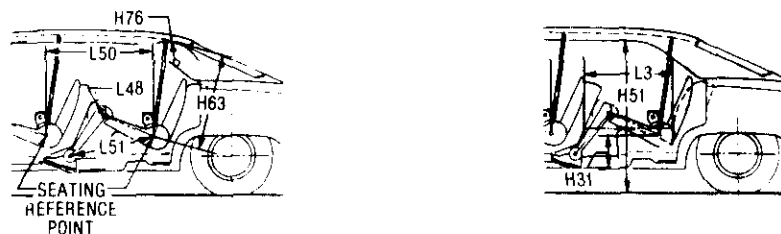
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Interior Car And Body Dimensions — Key Sheet

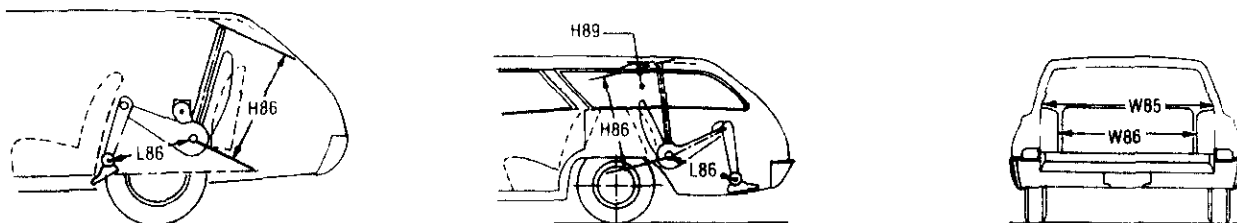
Front Compartment



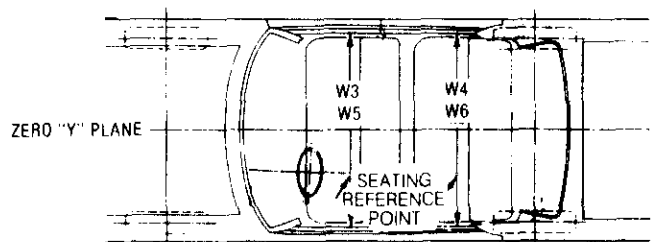
Rear Compartment



Third Seat



Interior Width



MVMA Specifications Form

Passenger Car

Exterior Car And Body Dimensions — Key Sheet

Dimension Definitions

Width Dimensions

- W101 TREAD — FRONT. The dimension measured between the tire centerlines at the ground.
- W102 TREAD — REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.
- W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.
- W117 BODY WIDTH AT SgRP — FRONT. The dimension measured laterally between the widest points on the body at the SgRP - front, excluding door handles, applied moldings, or appliques.
- W120 VEHICLE WIDTH — FRONT DOORS OPEN. The dimension measured between the widest point on the front doors in maximum hold-open position.
- W121 VEHICLE WIDTH — REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.

Length Dimensions

- L30 FRONT OF DASH "X" COORDINATE. A minus (-) dimension indicates actual front of dash is forward of the zero "X" plane.
- L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerlines. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.
- L102 TIRE SIZE. As specified by the manufacturer.
- L103 VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.
- L104 OVERHANG — FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.
- L105 OVERHANG — REAR. The dimension measured longitudinally from the centerline of the rear wheels; or in the case of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle, including rear bumpers, bumper guards, tow hooks and rub strips, if standard equipment.
- L123 UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.
- L127 REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be the midpoint of the distance between the rear axle centerlines.
- L125 COWL POINT "X" COORDINATE.

Height Dimensions

- H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.
- H114 COWL POINT TO GROUND. Measured at zero "Y" plane.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.
- H112 ROCKER PANEL — FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.

- H132 BOTTOM OF DOOR OPEN — FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.
- H111 ROCKER PANEL — REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.
- H134 BOTTOM OF DOOR OPEN — REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.
- H135 BOTTOM OF DOOR CLOSED — REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.
- H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield are running from the lower DLO to the upper DLO at the vehicle zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 18.0 in. (457 mm) long, drawn from the lower DLO to the intersecting point on the windshield.
- H125 HEADLAMP TO GROUND. The dimension measured vertically from the centerline of the lowest headlamp lens to ground.
- H126 TAILLAMP TO GROUND. The dimension measured vertically from the centerline of the upper bulb to ground.

Ground Clearance Dimensions

- H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.
- H103 FRONT BUMPER TO GROUND — CURB WEIGHT. Measured in the same manner as H104.
- H104 REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.
- H105 REAR BUMPER TO GROUND — CURB WEIGHT. Measured in the same manner as H104.
- H106 ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius are the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.
- H107 ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius are the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.
- H147 REAR BREAKOVER ANGLE. The angle measured between two lines tangent to the front and rear tire static loaded radius and intersecting at a point on the underside of the vehicle which defines the largest ramp over which the vehicle can roll.
- H153 REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.
- H156 MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.

Front Compartment Dimensions

- PD1 PASSENGER DISTRIBUTION — FRONT.
- L31 SgRP — FRONT "X" COORDINATED.

MVMA Specifications Form Passenger Car

Interior Car And Body Dimensions — Key Sheet Dimension Definitions

H61	EFFECTIVE HEAD ROOM — FRONT. The dimension measured along a line 8 deg rear of vertical from the SgRP - front to the headline, plus 4.0 in. (102 mm).
H75	EFFECTIVE T-POINT HEAD ROOM — FRONT. The minimum radius from the T-point to the headlining plus 30 in. (762 mm).
L34	MAXIMUM EFFECTIVE LEG ROOM — ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP - front plus 10.0 in. (254 mm) measured with right foot on the undepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.
H30	SgRP — FRONT TO HEEL. The dimension measured vertically from the SgRP - front to the accelerator heel point.
L17	DESIGN H-POINT — FRONT TRAVEL. The dimension measured horizontally between the design H-point - front in the foremost and rearmost seat track positions.
W3	SHOULDER ROOM — FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP - front within the belt line and 10.0 in. (254 mm) above the SgRP - front.
W5	HIP ROOM — FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP - front within 1.0 in. (25 mm) below and 3.0 (76 mm) above the SgRP - front and 3.0 (76 mm) fore and aft of the SgRP - front.
H150	UPPER BODY OPENING TO GROUND — FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP - front "X" plane.
H18	STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.
L40	BACK ANGLE — FRONT. The angle measured between a vertical line through the SgRP - front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.

Rear Compartment Dimensions

PD2	PASSENGER DISTRIBUTION — SECOND.
L50	SgRP COUPLE DISTANCE. The dimension measured horizontally from the driver SgRP - front to the SgRP - second.
H63	EFFECTIVE HEAD ROOM — SECOND. The dimension measured along a line 8 deg rear of vertical from the SgRP to the headlining, plus 4.0 in. (102 mm).
H76	EFFECTIVE T POINT HEAD ROOM — SECOND. Measured in the same manner as H75.
L51	MINIMUM EFFECTIVE LEG ROOM — SECOND. The dimension measured along a line from the ankle pivot center to the SgRP - second plus 10.0 in. (254 mm).
H31	SgRP — SECOND TO HEEL. The dimension measured vertically from the SgRP - second to the two-dimensional device heel point on the depressed floor covering.
L48	KNEE CLEARANCE — SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 2.0 in. (51 mm).
L3	COMPARTMENT ROOM — SECOND. The dimension measured horizontally from the back of front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.
W4	SHOULDER ROOM — SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the SgRP - second within 10.0-16.0 in. (254-406) above the SgRP - second.

W6	HIP ROOM — SECOND. Measured in the same manner as W5.
H51	UPPER BODY OPENING TO GROUND — SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 13.0 in. (330 mm) forward of the SgRP - second.

Luggage Compartment Dimensions

V1	USABLE LUGGAGE CAPACITY — Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the procedure described in paragraph 8.2 of SEA-J1100A.
H195	LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

Station Wagon — Third Seat Dimensions

PD3	PASSENGER DIRECTION — THIRD.
W85	SHOULDER ROOM — THIRD. Measured in the same manner as W5.
W86	HIP ROOM — THIRD. Measured in the same manner as W5.
L86	EFFECTIVE LEG ROOM — THIRD. The dimension measured along a line from the ankle pivot center to the SgRP - third plus 10.0 in. (254 mm).
H86	EFFECTIVE HEAD ROOM — THIRD. The dimension measured along a line 8 deg from the SgRP - third to the headlining rear of vertical plus a constant of 4.0 in. (102 mm).
H89	EFFECTIVE T-POINT HEAD ROOM — THIRD. Measured in the same manner as H75.

Station Wagon — Cargo Space Dimensions

L200	CARGO LENGTH — OPEN — FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.
L201	CARGO LENGTH — OPEN — SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.
L202	CARGO LENGTH — CLOSED — FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
L203	CARGO LENGTH — CLOSED — SECOND. The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
L204	CARGO LENGTH AT BELT — FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab back panel at the height of the belt, on the zero "Y" plane.
L205	CARGO LENGTH AT BELT — SECOND. The minimum dimension measured horizontally from the back of the second seatback at the seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.

MVMA Specifications Form

Passenger Car

Interior Car And Body Dimensions — Key Sheet

Dimension Definitions

- W201 CARGO WIDTH — WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhousings at floor level. For any vehicle not trimmed, measure the sheet metal.
- W203 REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.
- W204 REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.
- W205 REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.
- H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinated on the zero "Y" plane.
- H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.
- H250 TAILGATE TO GROUND (CURB WEIGHT). The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.
- V2 STATION WAGON.
Measured in inches:
$$\frac{W4 \times H201 \times L204}{1728} \text{ — Ft.}^3$$
Measured in mm:
$$\frac{W4 \times H201 \times L204}{10^9} \text{ — m}^3(\text{cubic meter})$$
- V4 HIDDEN CARGO VOLUME. As specified by the manufacturer.

Hatchback — Cargo Space Dimensions

All hatchback cargo dimensions are to be taken with the front seat in full down and rear position, and the rear seat folded down. The hatchback door is in the closed position. (For electrically adjusted seats, see manufacturer's specifications for Design 'H' Point).

- H197 FRONT SEATBACK TO LOAD HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.
- L208 CARGO LENGTH AT FRONT SEATBACK HEIGHT. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.
- L209 CARGO LENGTH AT FLOOR — FRONT — HATCHBACK. The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.
- V3 HATCHBACK.

Measured in inches:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{1728} \text{ — Ft.}^3$$

Measured in mm:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{10^9} \text{ — m}^3(\text{cubic meter})$$

MVMA Specifications Form

Passenger Car

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