Specifications Form

Passenger Car

1982

METRIC (U.S. Customary)

Manufacturer	Car Line	
CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	CAMARO	
Mailing Address CHEVROLET ENGINEERING CENTER 30003 VAN DYKE WARREN, MICHIGAN 48090	Model Year 1982	Issued: AUGUST, 1981 Revised (•) APRIL, 1982

NOTE: Sheet revised - 2, 14, 14A, 15, 15A, 17, 23, 25, 27, 29.

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NOTE:
1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
   a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
   b. Nominal design dimensions are used throughout these specifications.
   c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.
4. 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 CAMARO
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Car Models

Model Description (Include Line Drawings of Vehicles, if Desired)	Make, Car Line, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)		Max. Trunk/Cargo Load—Kilograms (Pounds)
CAMARO	MODEL NUMBER	FRONT	REAR	
Standard 2-Door Sport Coupe	1FP87	2	2	45.4 (100.1)
Berlinetta 2-Door Sport Coupe	1FS87	2	2	45.4 (100.1)

NOTE: Any specifications on the following pages that are specific to California requirements are indicated accordingly.

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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.

SERIES AVAILABILITY	ENGINE						TRANSMISSION	AXLE RATIO (std. first) (indicate A/C ratio)	
	Displ. Liters (in³)	Carb. (Barrels)	Compr. Ratio	SAE Net at RPM kW (bhp)	SAE Net at RPM Torque N - m (lb. ft.)	Exhaust System*		Base	Opt.
1FP00-All States-Base (Except Z28) LQ9	2.5 (151)	TBI	8.2:1	90 @ 4000	132 @ 2800	S	Man.4-Spd(3.50 Low) Base	3.42	
							Auto'200c'-Avail	3.08	3.32@)
1FP00-All States-Avail 1FS00-All States - Base (Except Z28) LC1	2.8 (173)	2-BBl	8.5:1	102@ 4800	142@ 2400	S	Man.4-Spd(3.50 Low) Base (Except Calif.)	3.23	
							Auto '200c'-Avail	3.08	
1FP00&1FS00 All States-Avail (Except Z28) LG4	5.0 (305)	4-BBL	8.6:1	145@ 4000	240@ 2000	S	Auto'200c'-Avail	2.73	3.23**
1FP00 with Z28 All States - Base LG4	5.0 (305)	4-BBL	8.6:1	145@ 4000	240@ 2000	D	Man 4-Spd(3.42 Low) Base	3.23	
							Auto '200c'-Avail	3.23	
1FP00 with Z28 - All States - Avail LU5	5.0 (305)	TBI	9.5:1	165@ 4200	240@ 2400	D	Auto '200c'-Avail	2.93	3.23**

TBI - Throttle Body Injection
@ - Recommended optional axle for high altitude usage, requires RPO NA6.
** - Free option - available at all altitudes, RPO NA5.

*S—Single D—Dual

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Engine Description/Carb. Engine Code	2.5 LITER L4 (151 CID) THROTTLE BODY INJECTION RPO LQ9	2.8 LITER V6 (173 CID) 2-BBL CARBURETOR RPO LC1

Drive Units — Clutch (Manual Transmission)

Make & type		Borg & Beck dry disc	
Type pressure plate springs		Bellville	
Total spring load—N (lb.)		1360	277-335 (1230-1480)
No. of clutch driven discs		One	
Clutch facing	Material	Woven molded asbestos	
	Manufacturer	Borg & Beck	
	Part number	14045173	14036057
	Rivets/plate	36	
	Rivet size	.142 dia.	--
	Outside & inside dia.	231.78/155.58 (9.125 x 6.125)	246 x 152.4 (9.685 x 6.0)
	Total eff. area-cm^2($in.^2$)	2318.25 cm^2	292.88 (45.4)
	Thickness	7.50-8.00 mm (.295-.315)	7.5-8.0 (.295-.315)
	Engagement cushion method	Driven plate wave spoke springs	
Release bearing	Type & method of lubrication	Ball thrust - prepacked & sealed	
Torsional damping	Method: springs, friction material	coil springs & metal to metal friction	

Drive Units — Transmissions

Manual 3-speed (std., opt., n.a.)	Not available
Manual 4-speed (std., opt., n.a.)	Standard
Manual 5-speed (std., opt., n.a.)	Not available
Manual overdrive (std., opt., n.a.)	Not available
Automatic (std., opt., n.a.)	Optional
Automatic overdrive (std., opt., n.a.)	Not available

Drive Units — Manual Transmission

Number of forward speeds			4
Transmission ratios	In first		3.50
	In second		2.48
	In third		1.66
	In fourth		1.00
	In fifth		--
	In overdrive		--
	In reverse		3.50
Synchronous meshing, specify gears			All forward gears
Shift lever location			Floor
Lubricant	Capacity—L (pt.)		--
	Type recommended		--
	SAE viscosity number	Summer	--
		Winter	--
		Extreme cold	--

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Engine Description/Carb. Engine Code	5.0 LITER V8 (305 CID) 4-BBL CARBURETOR RPO LG4	5.0 LITER V8 (305 CID) THROTTLE BODY INJECTION RPO LU5

Drive Units — Clutch (Manual Transmission)

Make & type		Borg & Beck
Type pressure plate springs		--
Total spring load—N (lb.)		5338-7117 (1200-1600)
No. of clutch driven discs		One
Clutch facing	Material	Woven molded asbestos
	Manufacturer	Borg & Beck
	Part number	14033032
	Rivets/plate	40
	Rivet size	.187 x .208
	Outside & inside dia.	263 x 165 (10.34 x 6.5)
	Total eff. area-cm^2($in.^2$)	327.7 (50.79)
	Thickness	7.75 (.305)
	Engagement cushion method	--
Release bearing	Type & method of lubrication	--
Torsional damping	Method: springs, friction material	--

Drive Units — Transmissions

Manual 3-speed (std., opt., n.a.)	Not available
Manual 4-speed (std., opt., n.a.)	Standard
Manual 5-speed (std., opt., n.a.)	Not available
Manual overdrive (std., opt., n.a.)	Not available
Automatic (std., opt., n.a.)	Optional
Automatic overdrive (std., opt., n.a.)	Not available

Drive Units — Manual Transmission

Number of forward speeds		4	
Transmission ratios	In first	3.42	2.88
	In second	2.28	1.91
	In third	1.45	1.33
	In fourth	1.00	
	In fifth	--	
	In overdrive	--	
	In reverse	3.51	2.78
Synchronous meshing, specify gears		All forward gears	
Shift lever location		Floor	
Lubricant	Capacity—L (pt.)	--	
	Type recommended	--	
	SAE viscosity number — Summer	--	
	SAE viscosity number — Winter	--	
	SAE viscosity number — Extreme cold	--	

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Engine Description/Carb. Engine Code	2.5 LITER L4 (151 CID) THROTTLE BODY INJECTION RPO LQ9	2.8 LITER V6 (173 CID) 2-BBL CARBURETOR RPO LC1

Drive Units — Automatic Transmission

Trade name		Hydramatic	
Type (describe)		3-speed with converter clutch - '200c'	
Selector	Location	On Console	
	Ltr./No. designation	P-R-N-D-2-1.	
Gear ratios	R	2.07	
	D	1.00	
	L_3	--	
	L_2	1.57	
	L_1	2.74	
Max. upshift speed—drive range—km/h (mph)		101 (63)	--
Max. kickdown speed-drive range—km/h (mph)		96 (60)	--
Min. overdrive speed—km/h (mph)		--	--
Torque converter	Number of elements	3	--
	Max. ratio at stall	2.40	--
	Type of cooling (air, liquid)	Liquid	--
	Nominal diameter	245	298 (11.75)
Lubricant	Capacity—refill—L (pt.)	8.3-4	--
	Type recommended	GM Dexron II	
Special transmission features		Torque converter clutch, 3rd gear lockup	

Drive Units — Axle or Front Wheel Drive Unit

Type (front, rear)			Rear	
Description			Semi-floating axle, overhung hypoid drive pinion 2nd ring gear	
Limited slip differential, type			Disc clutch	
Drive pinion offset			1.75	--
Drive pinion type			--	--
No. of differential pinions			Two	--
Pinion adjustment (shim, other)			Shim	--
Pinion bearing adj. (shim, other)			Collapsible spacer	--
Driving wheel bearing type			Roller bearing	--
Lubricant	Capacity—L (pt.)		4.25	--
	Type recommended		GL5 gear lube	
	SAE viscosity number	Summer	80W or 80W-90	
		Winter	80W or 80W-90	
		Extreme cold	80W or 80W-90	

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

Axle ratio or overall ratio		2.93	3.08	3.23	3.42
No. of teeth	Pinion	41	40	42	41
	Ring gear or gear	14	13	13	12
Ring gear O.D.		191 (7.5)			
Transaxle	Transfer gear ratio				
	Final drive ratio				

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Engine Description/Carb. Engine Code	5.0 LITER V8 (305 CID) 4-BBL CARBURETOR RPO LG4	5.0 LITER V8 (305 CID) THROTTLE BODY INJECTION RPO LU5

Drive Units — Automatic Transmission

Trade name		Hydramatic
Type (describe)		3-speed with converter clutch, '200c'
Selector	Location	On Console
	Ltr./No. designation	P-R-N-D-2-1.
Gear ratios	R	207
	D	1.00
	L_3	--
	L_2	1.57
	L_1	2.74
Max. upshift speed—drive range—km/h (mph)		101 (63)
Max. kickdown speed-drive range—km/h (mph)		96 (60)
Min. overdrive speed—km/h (mph)		--
Torque converter	Number of elements	3
	Max. ratio at stall	2.40
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 (11.75)
Lubricant	Capacity—refill—L (pt.)	8.3-4
	Type recommended	GM Dexron II
Special transmission features		Torque converter clutch, 3rd gear lockup

Drive Units — Axle or Front Wheel Drive Unit

Type (front, rear)			Rear
Description			Semi-floating axle, overhung hypoid drive pinion 2nd ring gear
Limited slip differential, type			Disc clutch
Drive pinion offset			1.75
Drive pinion type			--
No. of differential pinions			Two
Pinion adjustment (shim, other)			Shim
Pinion bearing adj. (shim, other)			Collapsible spacer
Driving wheel bearing type			Roller bearing
Lubricant	Capacity—L (pt.)		4.25
	Type recommended		GL5 gear lube
	SAE viscosity number	Summer	80 W or 80 W-90
		Winter	80 W or 80 W-90
		Extreme cold	80 W or 80 W-90

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

Axle ratio or overall ratio		2.73	2.93	3.23
No. of teeth	Pinion	41	41	42
	Ring gear or gear	15	14	13
Ring gear O.D.		191 (7.5)		
Transaxle	Transfer gear ratio			
	Final drive ratio			

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Engine Description/Carb. Engine Code	2.5L L4 T.B.I. 151 CID RPO LQ9	2.8L V6/2 173 CID RPO LC1	5.0L V8/4 305 CID RPO LG4	5.0L V8 T.B.I. 305 CID RPO LU5

Drive Units — Propeller Shaft — Conventional Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)			Straight tube
Outer diam. x length* x wall thick-ness	Manual 3-speed trans.		Not available
	Manual 4-speed trans.		63.5 x 1135 x 1.65 mm (2.5 x 44.7 x .065 in)
	Manual 5-speed trans		Not available
	Overdrive		Not available
	Automatic transmission		
Inter-mediate bearing	Type (plain, anti-friction)		Not available
	Lubrication (fitting prepack)		Not available
Slip yoke	Type		Splined
	Number of teeth		27
	Spline o.d.		29.84 mm (1.174 in)
Universal joints	Make and mfg. no.	Front	Saginaw Size 44
		Rear	Saginaw Size 44
	Number used		Two
	Type (ball and trunnion, cross)		Cross
	Rear attach (u-bolt, clamp, etc.)		Strap and bolt
	Bearing	Type (plain, anti-friction)	Anti-friction
		Lubric. (fitting, prepack)	Prepacked
Drive taken through (torque tube or arms, springs)			Torque Arm
Torque taken through (torque tube or arms, springs)			Torque Arm

* Centerline to centerline of universal joints, or to centerline of rear attachment.

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Engine Description/Carb. Engine Code	MODEL 1FP87	MODEL 1FS87	MODEL 1FP87 (RPO Z28)

Drive Units — Tires And Wheels (Standard)

Tires	Size, load range, ply		P195/75R-14 BW,WW	P205/70R-14 BW	P215/65R-15 WL
	Type (bias, radial, etc.)		Steel belted radials		
	Inflation pressure (cold) for recommended max vehicle load	Front-kPa (psi)	240 (35)		
		Rear-kPa (psi)	240 (35)		
	Rev/mile—at 70 km/h (45 mph)				
Wheels	Type & material		Short spoke disc, steel	Cast aluminum	
	Rim (size & flange type)		14 x 6	14 x 7	15 x 7
	Wheel offset		12.7 (.50)	8.6 (.34)	7.6 (.30)
	Attachment	Type (bolt or stud)	Stud		
		Circle diameter	120.7 (4.75)		
		Number & size	5-M12 x 1.5 - 6H-thd. (metric)		
Spare tire and wheel (same or other)			15 x 4; offset		

Drive Units — Tires And Wheels (Optional)

Size, load range, ply	P205/70R-14 BW,WL
Type (bias, radial, etc.)	Steel belted radials
Wheel type & material	Short spoke disc, steel
Rim (size, flange type, and offset)	14 x 7, 8.6 (.34)
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)	
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel)	Tire - Base - T125/70D15 without positraction P195/75D14 with positraction

Brakes — Parking

Type of control		Foot pedal - application; 'T' handle - release
Location of control		left of steering column under instrument panel.
Operates on		Rear service brakes
If separate from service brakes	Type (internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--

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Body Type	2-DOOR HATCHBACK COUPES	
	1FP87	1FS87

Convenience Equipment

Power windows	Side windows	Optional
	Vent windows	Not Available
	Backlight or tailgate	Not Available
Power seats (specify type as well as availability)		Optional-6 Way Power Seat
Reclining front seat back (r-l or both)		Standard
Radio (specify type as well as availability)		Optional-AM-Push-Button, AM/FM-Push-Button, AM/FM Stereo, AM/FM Stereo with 8-Track Tape & Digital Clock (a)
Rear seat speaker		Optional-Speakers Auxiliary Dual Rear
Power antenna		Optional
Clock		Optional with Radio
Air conditioner (specify type)		Optional-Manual Control
Speed warning device		Not Available
Speed control device		Optional w/Resume Speed Feature
Ignition lock lamp		Not Available
Dome lamp		Standard
Glove compartment lamp		Standard
Luggage compartment lamp		Optional
Underhood lamp		Optional
Courtesy lamp		Optional
Map lamp		Optional-Dome/Map Reading Lamp
Cornering lamp		Not Available
Rear window defroster electrically heated		Optional
Rear window defogger		Not Available
Theft protection—type		Lock mounted on steering column, locks steering wheel, Transmission shift levers and ignition

(a) Radio AM/FM stereo with cassette tape and digital clock.

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Vehicle Mass (weight)

Model	CURB MASS, kg. (weight, lb.)*			% PASS. MASS DISTRIBUTION				SHIPPING MASS, kg (weight, lb.)**
				Pass. In Front		Pass. In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
Standard								
2-Door Hatchback	701.9	595.8	1297.7					1261.5
Coupe 1FP87	(1547)	(1313)	(2860)					(2781)
Berlinetta								
2-Door Hatchback	732.4	615.2	1347.6					1311.4
Coupe 1FS87	(1615)	(1356)	(2971)					(2891)

CURB WEIGHT - The calculated weight of a vehicle with standard equipment, only as designed with the additional load of oils, lubes, coolants and fuel filled to capacity.

SHIPPING WEIGHT - Sames as base curb weight except 3 gallons of gasoline.

* Reference — SAE J1100a, Motor vehicle dimensions, curb weight definition.
** Shipping mass (weight) definition —

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Car and Body Dimensions See Key Sheets for definitions

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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: 2-DOOR HATCHBACK COUPES	
	1FP876	1FS87

Width

Tread — Front	W101	1541 (60.7)
Tread — Rear	W102	1564 (61.6)
Vehicle width	W103	1850 (72.8)
Body width at Sg RP — front	W117	1830 (72.1)
Vehicle width — front doors open	W120	3939 (155.1)
Vehicle width — rear doors open	W121	--

Length

Wheelbase	L101	2566 (101.0)
Vehicle length	L103	4771 (187.8)
Overhang — front	L104	1080 (42.5)
Overhang — rear	L105	1125 (44.3)
Upper structure length	L123	2690 (105.9)
Rear wheel C/L "X" coordinate	L127	2138 (84.2)
Cowl point "X" coordinate	L125	108 (4.3)

Height **

Passenger Distribution (frt./rear)	PD1,2,3	**
Trunk/Cargo load		**
Vehicle height	H101	1271 (50.0)
Cowl point to ground	H114	898 (35.3)
Deck point to ground	H138	
Rocker panel front to ground	H112	193 (7.6)
Bottom of door closed - front to grd.	H133	357 (14.0)
Rocker panel rear to ground	H111	193 (7.6)
Bottom of door closed - rear to grd.	H135	---

Ground Clearance **

Front bumper to ground	H102	316 (12.4)	
Rear bumper to ground	H104	371 (14.6)	
Bumper to ground — front at curb mass (wt.)	H103	336 (13.2)	
Bumper to ground — rear at curb mass (wt.)	H105	388 (15.3)	
Angle of approach @ GVW	H106	16.8°	
Angle of departure @ GVW	H107	20.1°	
Ramp breakover angle @ GVW	H147	12.9°	
Rear axle differential to ground	H153	175 (6.9) (a)	172 (6.8)
Min. running ground clearance	H156	121 (4.8)	
Location of min. run. grd. clear.		Front Crossmember	

All linear dimensions are in millimeters (inches) and all mass (weight) specifications are in kilograms (pounds).

** All vehicle height and ground clearances are made using EPA loaded vehicle weight, loading conditions.

EPA LOADED VEHICLE WEIGHT is the base vehicle weight plus all coolant and fluids necessary for operation plus 100% of the fuel capacity, plus the weight of all options and accessories which weigh three pounds or more and which are sold on at least 33% of the car line, plus two occupants.

(a) Z28 Option, 182 (7.2).

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Car and Body Dimensions See Key Sheets for definitions

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	Body Type	
SAE Ref. No.	2-DOOR HATCHBACK COUPES	
	1FP87	1FS87

Front Compartment

Sg RP front, "X" coordinate	L31	1050 (41.3)
Effective head room	H61	940 (37.0)
Effective T Point head room	H75	944 (37.2)
Max. eff. leg room — accelerator	L34	1092 (43.0)
Sg RP — front to heel	H30	181 (7.1)
Design H-point front travel	L17	192 (7.6)
Shoulder room	W3	1460 (57.5)
Hip room	W5	1430 (56.3)
** Upper body opening to ground	H50	
Steering Wheel Angle	H16	18.0°
Back Angle	L40	26.5°

Rear Compartment

Sg RP Point couple distance	L50	668 (26.3)
Effective head room	H63	905 (35.6)
Effective T Point head room	H76	918 (36.1)
Min. effective leg room	L51	727 (28.6)
Sg RP — second to heel	H31	183 (7.2)
Knee clearance	L48	-15 (-0.6)
Compartment room	L3	582 (22.9)
Shoulder room	W4	1430 (56.3)
Hip room	W6	1087 (42.8)
** Upper body opening to ground	H51	

Luggage Compartment

Usable luggage capacity — L(cu. ft.)	V1	— — —
** Liftover height	H195	881 (34.7)

All linear dimensions are in millimeters (inches).

** EPA LOADED VEHICLE WEIGHT, LOADING CONDITIONS

ALL INTERIOR DIMENSIONS ARE MEASURED WITH THE SEATING REFERENCE POINT (SgRP) ____ mm (1 SEAT ADJUSTER NOTCH) FORWARD OF REARMOST SEAT POSITION.

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Car and Body Dimensions See Key Sheets for definitions

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Body Type	SAE Ref. No.	2-DOOR HATCHBACK COUPES	
		1FP87	1FS87

Station Wagon — Third Seat

Shoulder room	W85	
Hip room	W86	Not
Effective leg room	L86	Applicable
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	Not
Cargo width—wheelhouse	W201	Applicable
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	
Tailgate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index—L (cu.ft.)	V2	
Hidden cargo volume—L(cu.ft.)	V4	

Hatchback — Cargo Space

Front seat back to load floor height	H197	355 (14.0)
Cargo length at front seat back height	L208	892 (35.1)
Cargo length at floor—front	L209	1556 (61.3)
Cargo volume index—L (cu.ft.)	V3	883 (31.2)*
Hidden cargo volume—L(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

All dimensions are in millimeters (inches).

* V-II a - Hatchback, cargo volume Index-second seat-up, 328 (11.6)

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Car and Body Dimensions See Key Sheets for definitions

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Body Type	
2-DOOR HATCHBACK COUPES 1FP87	1FS87

Vehicle Fiducial Marks

Fiducial Mark Number *	Define Coordinate Location
Front	X - Fiducial mark to vertical base grid line - front, measured horizontally from the base grid line to the front fiducial mark located on top of the front seat adjuster mounting bolt. Y - Fiducial mark to centerline of car - front, width measurement made from centerline car to fiducial mark located on top of the front seat adjuster mounting bolt. Z - Fiducial mark to horizontal base grid line - front, measured vertically from base grid line to front fiducial mark located on top of the front seat adjuster mounting bolt.
Rear	X - Fiducial mark to vertical base grid line - front, measured horizontally from base grid line to rear fiducial mark located on rear underbody crossbar. Y - Fiducial mark to centerline of car - rear, width measurement made from centerline of car to fiducial mark located on the rear underbody crossbar. Z - Fiducial mark to horizontal base grid line - rear, measured vertically from base grid line to the rear fiducial mark located on rear underbody crossbar.

	Fiducial Mark Number	
Front	W21	540 (21.3)
	L54	2688 (105.8)
	H81	468 (18.4)
	H161	296 (11.6)
**	H163	277 (10.9)
Rear	W22	548 (21.6)
	L55	4815 (189.6)
	H82	596 (23.5)
	H162	417 (16.4)
**	H164	400 (15.7)

*Reference — SAE Recommended Practice, J182a, A Motor Vehicle Fiducial Marks — September, 1973.
All linear dimensions are in millimeters (inches).

** EPA LOADED VEHICLE WEIGHT, LOADING CONDITIONS

MVMA Specifications Form
Passenger Car

Car Line CAMARO

Model Year 1982 Issued 8-81 Revised (*) 4-82

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	**SAE Ref. No.**	2-DOOR HATCHBACK COUPES	
		1FP87	1FS87

Glass

Backlight slope angle	H121	71.0°
Windshield slope angle	H122	62.0°
Tumble-Home	W122	31.0°
Windshield glass exposed surface area – $cm^2(in.^2)$	S1	9000.4 (1395.1)
Side glass exposed surface area – $cm^2(in^2)$	S2	6519.8 (1010.6)
Backlight glass exposed surface area – $cm^2(in.^2)$	S3	6232.0 (966.0)
Total glass exposed surface area – $cm^2(in^2)$	S4	21752.2 (3371.7)
Windshield glass type		Curved - Laminated Plate
Side glass type		Curved - Tempered Plate
Backlight glass type		Curved - Tempered Plate

Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (H127)	Highest**	620 (24.4)
		Lowest	620 (24.4)
	Taillamp (H128)	Highest	759 (29.9)
		Lowest	759 (29.9)
	Sidemarker	Front	491 (19.3)
		Rear	689 (27.1)
Distance from C/L of car to center of bulb	Headlamp	Inside	
		Outside**	
	Taillamp	Inside	
		Outside	
	Directional	Front	
		Rear	
Headlamp shape			Rectangular

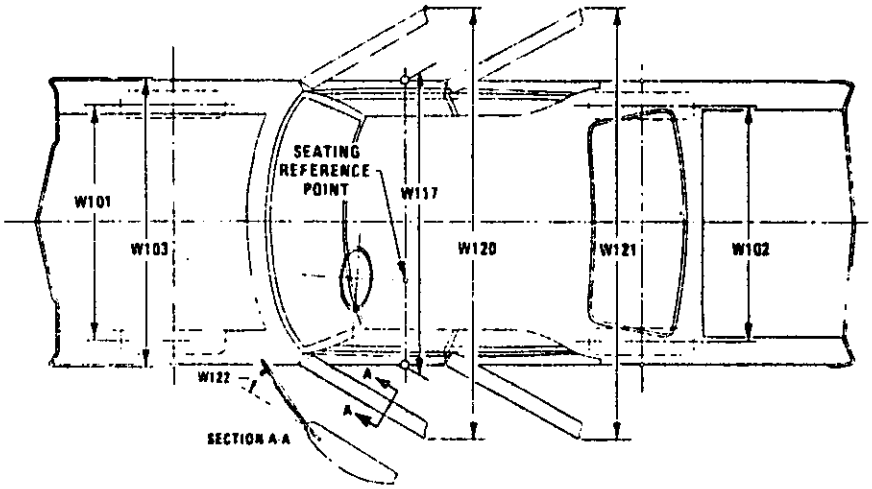
* Measured at curb mass (weight)

** If single headlamps are used enter here.

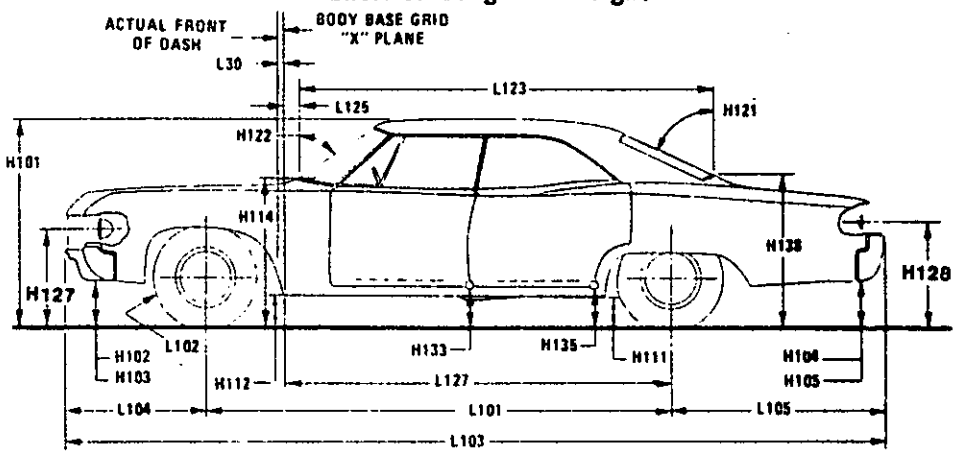
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Exterior Car And Body Dimensions — Key Sheet

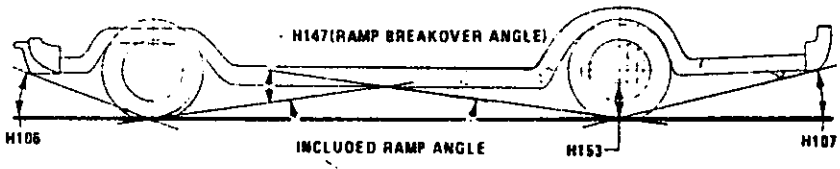
Exterior Width



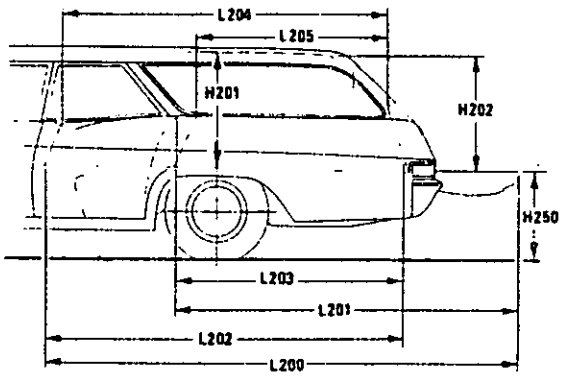
Exterior Length & Height



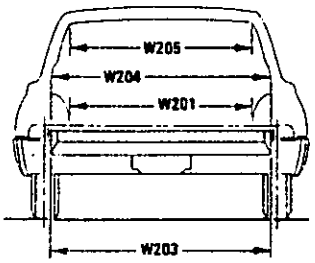
Exterior Ground Clearance

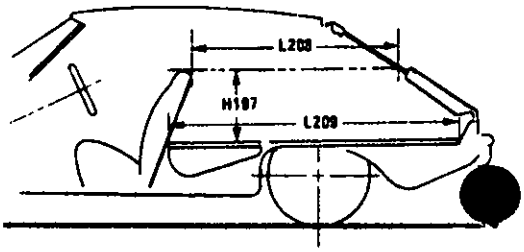


Cargo Space



Station Wagon





Hatchback

MOTOR VEHICLE

Specifications

METRIC (U.S. Customary)

Passenger Car

1985

Manufacturer	Car Line
Mitsubishi Motors Corporation	Dodge Conquest, Plymouth Conquest
Mailing Address CHRYSLER CORPORATION DETROIT, MICHIGAN 48288	Issued 3-1-1984 / Revised

Questions concerning these specifications should be directed to the manufacturer whose address is shown above.

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. This specification form was developed by the automobile manufacturing companies under the auspices of the Motor Vehicle Manufacturers Association of the United States, Inc.

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
Passenger Car

METRIC (U.S. Customary)

Table of Contents

NOTE:

1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
   a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
   b. Nominal design dimensions are used throughout these specifications.
   c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.
4. Additional Car and Body Dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line Dodge Conquest, Plymouth Conquest
Model Year 1985 Issued 3-1-1984 Revised (*) _____

Car Models

Model Description FWD/RWD	Introduction Date	Make, Car Line, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load—Kilograms (Pounds)
2 DOOR HATCH BACK (RWD)		A187AMNUL2/4/7/9 A187AMRUL2/4/7/9 A187AMNSL2/4/7/9 A187AMRSL2/4/7/9	5(2/3) 5(2/3) 5(2/3) 5(2/3)	35kg (77lbs)

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Passenger Car
METRIC (U.S. Customary)

Car Line Dodge Conquest, Plymouth Conquest
Model Year 1985 Issued 3-1-1984 Revised (*)

Power Teams (Indicate whether standard or optional)

SAE J1349 Net bhp (brake horsepower) and net torque connected to 77° F/25° C and 29.61 in. Hg/100 Kpa atmospheric pressure.

SERIES AVAILABILITY	ENGINE					Exhaust S/D	TRANSMISSION TRANSAXLE	AXLE RATIO (std. first)
	Displ. Liters (in^3)	Carb. (Barrels, FI, etc.)	Compr Ratio	SAE Net at RPM kW (bhp)	SAE Net at RPM Torque N - m (lb. ft.)			
A187AM Series	2.555 (156)	F.I	7.0	108 (145) at 5000	251 (185) at 2500	S	Manual 5-Speed	3.545
							Automatic 4-Speed	3.545

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line Dodge Conquest, Plymouth Conquest
Model Year 1985 Issued 3-1-1984 Revised (*)

Engine Description/Carb. Engine Code	G54B with Turbo (2.555 Liters)	
	M/T	A/T

ENGINE — GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sonc, donc, ohv, hemi, wedge, pre-camber, etc.)		In line front longitudinal	
No. of cylinders		4	
Bore		91.1	
Stroke		98	
Bore spacing (c/l to c/l)		101	
Cylinder block material		Cast iron	
Cylinder block deck height		251	
Deck clearance (minimum) (above or below block)		Below 0.6	
Cylinder head material		Aluminum alloy	
Cylinder head volume (cm^3)		75.2	
Head gasket thickness (compressed)		1.25	
Minimum combustion chamber total volume (cm^3)		105.6	
Cyl. no. system (front to rear)*	L. Bank	N.A.	
	R. Bank	N.A.	
Firing order		1-3-4-2	
Recommended fuel (leaded, unleaded, diesel)		Unleaded	
Fuel antiknock index $\frac{(R+M)}{2}$		RON 91 (minimum)	
Total dressed engine mass (wt) dry**		172.4	165.4

Engine — Pistons

Material & mass, g (weight, oz.) piston	Aluminum alloy 464 (16)

Engine — Camshaft

Location		Center of IN. and EX. valve on cylinder-head
Material (kg., weight, lbs.)		Cast iron 2.8 (6.2)
Drive type	Chain/belt	Chain
	Width/pitch	23.3 / 9.525

* Rear of engine — drive takeoff. View from drive takeoff end to determine left & right side of engine.

** Dressed engine mass (weight) includes the following:

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line: Dodge Conquest, Plymouth Conquest
Model Year: 1985 Issued: 3-1-1984 Revised (•) _____

Engine Description/Carb. Engine Code	G54B with Turbo (2.555 Liters)

Engine – Valve System

Hydraulic lifters (std., opt., NA)		N.A.
Valves	Number intake / exhaust	4 / 4
	Head O.D. intake / exhaust	46 / 38

Engine – Connecting Rods

Material & mass [kg., (weight, lbs.)]	Drop-forged steel, 0.830 (1.8)

Engine – Crankshaft

Material & mass [kg., (weight, lbs.)]	Drop-forged steel / 17.5 (38.6)
End thrust taken by bearing (no.)	3
Number of main bearings	5

Engine – Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	390 (56.5)
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full flow
Capacity of c/case, less filter-refill-L (qt.)	3.8 (3.3)

Engine – Diesel Information

Diesel engine manufacturer		–
Glow plug, current drain at 0°F		–
Injector nozzle	Type	–
	Opening pressure [kPa (psi)]	–
Pre-chamber design		–
Fuel injection pump	Manufacturer	–
	Type	–
Fuel injection pump drive (belt, chain, gear)		–
Supplementary vacuum source (type)		–
Fuel heater (yes/no)		–
Water separator, description (std., opt.)		–
Turbo manufacturer		–
Oil cooler-type (oil to engine coolant; oil to ambient air)		–
Oil filter		–

Engine – Intake System

Turbo charger - manufacturer	With - Mitsubishi Heavy Industries Ltd.
Super charger - manufacturer	None
Charge cooler	None

MVMA Specifications Form
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METRIC (U.S. Customary)

Car Line Dodge Conquest, Plymouth Conquest
Model Year 1985 Issued 3-1-1984 Revised (•) _____

Engine Description/Carb. Engine Code	G54B with Turbo (2.555 Liters)	
	M/T	A/T

Engine – Cooling System

Coolant recovery system (std., opt., n.a.)			
Coolant fill location (rad., bottle)		2.6 L	2.8 L
Radiator cap relief valve pressure [kPa (psi)]		88.2 kpa	
Circulation thermostat	Type (choke, bypass)	By Pass pellet	
	Starts to open at °C (°F)	88 (190.4)	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM 1000 pump rpm		
	Number of pumps	1	
	Drive (V-belt, other)	V - Belt	
	Bearing type	Ball, integral shaft, permanently sealed	
By-pass recirculation [type (inter,. ext.)]		External	
Cooling system capacity	With heater–L(qt.)		
	With air cond.–L(qt.)		
	Opt. equipment [specify–L(qt.)]		
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		No	
Radiator core	Describe (type, material, no. of rows)	Down Flow Brass	
	Std., A/C, HD		
	Width	646	648
	Height	400	
	Thickness	32	
	Fins per inch	11	14
Fan	Std., elec., opt.	Std.	
	Number of blades & type (flex, solid, material)	7 - Uneven	
	Diameter & projected width	410	
	Ratio (fan to crankshaft rev.)	1.1	
	Fan cutout type	Thermal hydraulic coupling	
	Drive [type (direct, remote)]	V - belt direct	
	RPM at idle (elec.)	-	
	Motor rating (wattage) (elec.)	-	
	Motor switch (type & location) (elec.)	-	
	Switch point (temp., pressure) (elec.)	-	
	Fan shroud (material)	-	

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line Dodge Conquest, Plymouth Conquest
Model Year 1985 Issued 3-1-1984 Revised (*)

Engine Description/Carb. Engine Code	G54B with Turbo (2.555 Liters)

Engine — Fuel System

(See supplemental page for details of Fuel injection, Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.			Fuel injection
Carburetor	Mfgr.		
	Choke (type)		
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	
		Automatic	
Idle A/F mix.			14.7
Fuel injection	Point of injection (no.)		On throttle valve (two)
	Constant, pulse, flow		28.0 mm³ / 2.5 msec
	Control (electronic, mech.)		Electronic
	System pressure [kPa (psi)]		245 KPa
Intake manifold heat control (exhaust or water) thermostatic or fixed			Water, fixed
Air cleaner type	Standard		Dry, Non-woven cloth
	Optional		N.A.
Fuel pump	Type (elec. or mech.)		Electric
	Location (eng., tank)		Near by Fuel Tank
	Pressure range [kPa (psi)]		620 to 800 (90 to 120)

Fuel Tank

Capacity [refill L (gallons)]		75 L (19.8 gallons)
Location (describe)		Underneath rear floor pan cargo area between axle and rear bumper
Attachment		Bolts
Material		Steel
Filler pipe	Location & material	Left side rear quarter panel, Steel pipe
	Connection to tank	Rubber hose
Fuel line (material)		Steel pipe
Fuel hose (material)		Rubber hose
Return line (material)		Steel pipe
Vapor line (material)		Steel pipe
Extended range tank	Opt., n.a.	–
	Capacity [L (gallons)]	–
	Location & material	–
	Attachment	–
Auxiliary tank	Opt., n.a.	–
	Capacity [L (gallons)]	–
	Location & material	–
	Attachment	–
	Selector switch or valve	–
	Separate fill	–

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line: Dodge Conquest, Plymouth Conquest
Model Year: 1985 Issued: 3-1-1984 Revised (*):

Engine Description/Carb. Engine Code: G54B with Turbo (2.555 Liters)

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Three-way catalyst with feedback control. Exhaust gas recirculation and Air induction
	Air Injection	Pump or pulse	Pulse
		Driven by	N.A.
		Air distribution (head, manifold, etc.)	N.A.
		Point of entry	N.A.
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled flow
		Exhaust source	Exhaust port No.2
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake manifold
	Catalytic Converter	Type	Three-way
		Number of	2
		Location(s)	In engine compartment & Under floor
		Volume [L (in^3)]	1.0 (61) + 1.0 (61)
		Substrate type	Monolith
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction system
	Energy source (manifold vacuum, carburetor, other)		Intake manifold vacuum
	Discharges (to intake manifold, other)		To intake manifold
	Air inlet (breather cap, other)		Air cleaner
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	-
	Vapor storage provision		Canister
Electronic system	Closed loop (yes/no)		
	Open loop (yes/no)		

Engine — Exhaust System

Type (single, single with cross-over, dual, other)			Single
Muffler no. & type (reverse flow, straight thru, separate resonator)			One (Straight flow)
Resonator no. & type			
Exhaust pipe	Branch o.d., wall thickness		
	Main o.d., wall thickness		54 X 1.6 (mm)
	Material		Stainless Steel tube
Intermediate pipe	o.d. & wall thickness		54 X 1.2 (mm)
	Material		Aluminized Steel tube
Tail pipe	o.d. & wall thickness		54 X 1.2 (mm)
	Material		Aluminized Steel tube

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METRIC (U.S. Customary)

Car Line Dodge Conquest, Plymouth Conquest
Model Year 1985 Issued 3-1-1984 Revised (•) _____

Engine Description/Carb. Engine Code	G54B with Turbo (2.555 Liters)

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.)	N.A.
Manual 4-speed (std., opt., n.a.)	N.A.
Manual 5-speed (std., opt., n.a.)	Std.
Manual overdrive (std., opt., n.a.)	N.A.
Automatic (std., opt., n.a.)	N.A.
Automatic overdrive (std., opt., n.a.)	Std.

Manual Transmission/Transaxle

Number of forward speeds			5
Transmission ratios	In first		3.369
	In second		2.035
	In third		1.360
	In fourth		1.000
	In fifth		0.856
	In overdrive		
	In reverse		3.578
Synchronous meshing (specify gears)			1, 2, 3, 4, 5
Shift lever location			
Lubricant	Capacity [L (pt.)]		2.3 (4.9)
	Type recommended		Multipurpose gear oil conforming to API GL4
	SAE viscosity number	Summer	SAE 80W, 75W-85W
		Winter	SAE 80W, 75W-85W
		Extreme cold	SAE 80W, 75W-85W

Clutch (Manual Transmission)

Make, type, engagement (describe)			Daikin Manufacturing Co., Ltd.
Type pressure plate springs			Diaphragm
Total spring load [N (lb.)]			5394 (1213)
No. of clutch driven discs			One
Clutch facing	Material		Woven Asbestos
	Manufacturer		Hitachi Chemical Co., Ltd.
	Part number		None
	Rivets/plate		
	Rivet size		4 (mm)
	Outside & inside dia.		225 X 150 (mm)
	Total eff. area [cm^2 ($in.^2$)]		442 (68.5)
	Thickness		3.5 (mm)
	Engagement cushion method		Flat-wave springs
Release bearing	Type & method of lubrication		Ball bearing, permanently lubricated
Torsional damping	Method: springs, friction material		Coil springs and friction washers

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Car Line Dodge Conquest, Plymouth Conquest
Model Year 1985 Issued 3-1-1984 Revised (•)

Engine Description/Carb. Engine Code	G54B with Turbo (2.555 Liters)

Automatic Transmission/Transaxle

Trade name		JATCO L4N71B
Type and special features (describe)		Lock up torque converter with automatically operated planetary gear transmission
Selector	Location	Lever : Console mounted
	Ltr./No designation	P. R. N. D. 2. L / 6
Gear ratios	R	2.182
	D	2.458, 1.458, 1.000, 0.686
	L_3	–
	L_2	1.458
	L_1	2.458
Max. upshift speed - drive range [km/h (mph)]		107 (67)
Max. kickdown speed - drive range [km/h (mph)]		89 (56)
Min. overdrive speed [km/h (mph)]		44 (28)
Torque converter	Number of elements	Three
	Max. ratio at stall	1.84 : 1
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	236
Lubricant	Capacity [refill L (pt.)]	7.0 (14.9)
	Type recommended	DEXRON or DEXRON II automatic transmission fluid
Oil cooler (std., opt., NA, internal, external, air, liquid)		External air cooling

Axle or Front Wheel Drive Unit

Type (front, rear)			Rear
Description			Separable
Limited slip differential (type)			Opt. (Friction)
Drive pinion offset			30 (mm)
Drive pinion (type)			Hypoid
No. of differential pinions			2
Pinion adjustment (shim, other)			Shim
Pinion bearing adj. (shim, other)			Shim
Driving wheel bearing (type)			Ball
Lubricant	Capacity [L (pt.)]		1.3 (2.4)
	Type recommended		Multipurpose gear oil conforming to API GL-5
	SAE viscosity number	Summer	SAE 90
		Winter	SAE 90
		Extreme cold	SAE 90

Axle or Transaxle Ratio and Tooth Combinations (See "Power Teams" for axle ratio usage.)

Axle ratio (or overall top gear ratio)		3.545
No. of teeth	Pinion	11
	Ring gear or gear	39
Ring gear o.d.		184.0 (mm)
Transaxle	Transfer gear ratio	–
	Final drive ratio	–

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Car Line Dodge Conquest, Plymouth Conquest
Model Year 1985 Issued 3-1-1984 Revised (•)

Engine Description/Carb. Engine Code	G54B with Turbo (2.555 Liters)

Propeller Shaft — Conventional Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)			Straight tube	
Outer diam. x length* x wall thick-ness	Manual 3-speed trans.		N.A.	N.A.
	Manual 4-speed trans.		N.A.	N.A.
	Manual 5-speed trans.		75 X 722 X 1.6 (mm)	N.A.
	Overdrive		N.A.	N.A.
	Automatic transmission		N.A.	75 X 538 X 1.6 (mm)
Inter-mediate bearing	Type (plain, anti-friction)			
	Lubrication (fitting, prepack)			
Slip yoke	Type		Sliding spline	Sliding spline
	Number of teeth		23 (24 Indexed)	25 (26 Indexed)
	Spline o.d.		27.3	28.5
Universal joints	Make and mfg. no.	Front	Cross: MMC, Bearing: Koyo Seiko Co.,Ltd.	
		Rear	Cross: MMC, Bearing: Koyo Seiko Co.,Ltd.	
	Number used		Two	
	Type (ball and trunnion, cross)		Cross	
	Rear attach (u-bolt, clamp, etc.)		Clamp (Snap ring)	
	Bearing	Type (plain, anti-friction)	Anti-friction	
		Lubric. (fitting, prepack)	Prepack	
Drive taken through (torque tube, arms or springs)			Torque tube	
Torque taken through (torque tube, arms or springs)			Torque tube	

* Centerline to centerline of universal joints, or to centerline of rear attachment.

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line Dodge Conquest, Plymouth Conquest
Model Year 1985 Issued 3-1-1984 Revised (•) _____

Body Type And/Or Engine Displacement

G54B with Turbo (2.555 Liters)

Suspension – General

Car leveling	Std./opt./n.a.	N.A.	
	Type (air, hyd., etc.)	–	
	Manual/auto. controlled	–	
Provision for brake dip control		N.A.	
Provision for accl. squat control		N.A.	
Provisions for car jacking		N.A.	
Shock absorber (front & rear)	Type	Front: Strut type	Rear: Strut type
	Make	Kayaba Industry Co. Ltd.	Tokiko Co. Ltd.
	Piston diameter	30	32 (mm)
	Rod diameter	22	

Suspension – Front

Type and description		Independent strut type	
Drive and torque taken through			
Travel	Full jounce	80	(mm)
	Full rebound	90	(mm)
Spring	Type (coil, leaf, other) & material	Coil / SUP9 (Spring steel, Specified in JIS)	
	Insulators (type & material)	Cylindrical, Rubber	
	Size (coil design height & i.d., bar length x dia.)	309 X 117.5 X 2350 X 12.5	(mm)
	Spring rate [N/mm (lb./in.)]	26.0 (148.6)	
	Rate at wheel [N/mm (lb./in.)]	24.2 (138.5)	
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	SUP6, 21	(mm)

Suspension – Rear

Type and description		Independent strut type	
Drive and torque taken through		Torque tube	
Travel	Full jounce	95	(mm)
	Full rebound	90	(mm)
Spring	Type (coil, leaf, other) & material	Coil / SUP6	
	Size (length x width, coil design height & i.d., bar length & dia.)	320 X 108.0 X 2550 X 12.0	(mm)
	Spring rate [N/mm (lb./in.)]	22.6 (129.5)	
	Rate at wheel [N/mm (lb./in.)]	19.6 (112.1)	
	Insulators (type & material)	Cylindrical, Rubber	
	If leaf: No. of leaves	–	
	If leaf: Shackle (comp. or tens.)	–	
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	S45C, 18	
Track bar (type)		–	

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line Dodge Conquest, Plymouth Conquest
Model Year 1985 Issued 3-1-1984 Revised (•)

Body Type And/Or Engine Displacement

G548 with Turbo (2.555 Liters)

Brakes — Service

Description				
Brake type (std., opt., n.a.)		Front (disc or drum)	Disc	
		Rear (disc or drum)	Disc	
Self-adjusting (std., opt., n.a.)			Std.	
Special valving	Type (proportion, delay, metering, other)		Proportion valve	
Power brake (std., opt., n.a.)			Std.	
Booster type (remote, integral, vac., hyd., etc.)			Integral	
Vacuum source (inline, pump, etc.)			In line	
Vacuum reservoir (volume in.^{3})			-	
Vacuum pump-type (elec., gear driven, belt driven, if other so state)			-	
Anti-skid device type (std., opt., n.a.) (F/R)			Opt. (Rear wheel)	
Effective area [cm^2(in.^{2})]*			184 (28.5) / 128 (19.8)	
Gross lining area [cm^2(in.^{2})]** (F/R)			189 (29.3) / 133 (20.6)	
Swept area [cm^2(in.^{2})]*** (F/R)			F: 1316(204.0) / R: 999(154.9)	
Rotor	Outer working diameter	F/R	252 / 245	(mm)
	Inner working diameter	F/R	147 / 168	(mm)
	Thickness	F/R	24 / 18	(mm)
	Material & type (vented/solid)	F/R	Cast iron (Vented)	
Drum	Diameter (nominal)	F/R	-	
	Type and material	F/R	-	
Wheel cylinder bore			57.2 / 41.3	(mm)
Master cylinder	Bore/stroke	F/R	23.81 / 31	(mm)
Pedal arc ratio			4.42	
Line pressure at 445 N (100 lb.) pedal load [kPa (psi)]			10563 (1532)	
Lining clearance per shoe		F/R	No major adjustment required/No major adjustment required	
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)	Bonded	
		Rivet size	-	
		Manufacturer	Akebono Brake Industry Ltd.	
		Lining code	AKV 3017 FF	
		Material	Molded	
		**** Primary or out-board	107.0 X 43.0 X 10	(mm)
		Size Secondary or in-board	107.0 X 43.0 X 10	(mm)
		Shoe thickness (no lining)	5.5	(mm)
	Rear wheel	Bonded or riveted (rivets/seg.)	Bonded	
		Manufacturer	Akebono Brake Industry Ltd.	
		Lining code	AKS 26 GF	
		Material	Molded	
		**** Primary or out-board	95 X 33.8 X 8.5	(mm)
		Size Secondary or in-board	95 X 33.8 X 8.5	(mm)
		Shoe thickness (no lining)	6	(mm)

* 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.)

**** Size for drum brakes includes length x thickness.

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Body Type And/Or Engine Displacement

G54B with Turbo (2.555 Liters)

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P195 / 70R14
	Type (bias, radial, etc.)		Radial
	Inflation pressure (cold) for recommended max. vehicle load	Front [kPa (psi)]	190 (27)
		Rear [kPa (psi)]	190 (27)
	Rev./mile—at 70 km/h (45 mph)		520
Wheels	Type & material		Disc. Aluminum
	Rim (size & flange type)		14 X 6JJ
	Wheel offset		18 (mm)
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	114.3 (mm)
		Number & size	Four, M12 X 1.5 (Metric)
Spare	Tire and wheel (same, if other describe)		Other, T125 / 70D15 High pressure tire
	Storage position & location (describe)		Luggage room

Tires And Wheels (Optional)

Size (load range, ply)	P215 / 60R15
Type (bias, radial, etc.)	Radial
Wheel (type & material)	Disc. Aluminum
Rim (size, flange type and offset)	15 X 6 1/2 JJ, off set 18
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)	
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	

Brakes — Parking

Type of control		Handle, Hand-operated
Location of control		Between front seats
Operates on		Rear wheels
If separate from service brakes	Type (internal or external)	–
	Drum diameter	–
	Lining size (length x width x thickness)	–

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Body Type And/Or Engine Displacement

G54B with Turbo (2.555 Liters)

Steering

Manual (std., opt., n.a.)					N.A.
Power (std., opt., n.a.)					Std.
Adjustable steering wheel (tilt, swing, other)		Type and description			Tilt
		(Std., opt., n.a.)			Std.
Wheel diameter		Manual			–
		Power			380 (mm)
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)			10.7 (35.1)
		Curb to curb (l. & r.)			9.6 (31.5)
	Inside rear	Wall to wall (l. & r.)			–
		Curb to curb (l. & r.)			–
Scrub Radius					
Manual	Gear	Type			N.A.
		Make			N.A.
		Ratios	Gear		N.A.
			Overall		N.A.
	No. wheel turns (stop to stop)				N.A.
Power	Type (coaxial, linkage, etc.)				Integral type power steering
	Make				Koyo Seiko Co.,Ltd.
	Gear	Type			Recirculating ball nut
		Ratios	Gear		14.3
			Overall		15.9
	Pump (drive)				V-Belt
	No. wheel turns (stop to stop)				3.0
Linkage	Type				Parallelogram, trailing, equal length the rods
	Location (front or rear of wheels, other)				Rear
	Drag links (trans. or longit.)				Transverse center
	Tie rods (one or two)				Two
Steering axis	Inclination at camber (deg.)				10°00'
	Bearings (type)	Upper			Ball bearing
		Lower			Ball joint
		Thrust			–
Steering spindle & joint type					Ball
Wheel spindle	Diameter	Inner bearing			31.750 (mm)
		Outer bearing			19.050 (mm)
	Thread (size)				M16 X 1.0 (Metric)
	Bearing (type)				Tapered roller

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Body Type And/Or Engine Displacement

G54B with Turbo (2.555 Liters)

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	5°20' ± 30'
		Camber (deg.)	-0°10'
		Toe-in [outside track-mm (in.)]	-5 (-0.20) to 5 (0.20)
	Service reset*	Caster	
		Camber	
		Toe-in	
	Periodic M.V. inspection	Caster	
		Camber	
		Toe-in	
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	-0°15'
		Toe-in [outside track-mm (in.)]	-2 (-0.08) to 2 (0.08)
	Service reset*	Camber	
		Toe-in	
	Periodic M.V. inspection	Camber	
		Toe-in	

* Indicates pre-set, adjustable, trend set or other

Electrical — Instruments and Equipment

Speedometer	Type	In-line driving pointer or Digital
	Trip odometer (std., opt., n.a.)	Standard with combination meter
EGR maintenance indicator		N.A.
Charge indicator	Type	Moving iron
	Warning device	Driving pointer (Ampmeter) or LCD (Voltmeter)
Temperature indicator	Type	Electric thermal (Ampmeter) or Digital (Bargraph)
	Warning device	Driving thermal (Ampmeter) or LCD
Oil pressure indicator	Type	Electric thermal (Ampmeter) or Digital (Bargraph)
	Warning device	Driving pointer (Ampmeter) or LCD
Fuel indicator	Type	Electric thermal (Ampmeter) or Digital (Bargraph)
	Warning device	Driving pointer (Ampmeter) or LCD
Windshield wiper	Type (standard)	Electric two speed with variable intermittent operation
	Type (optional)	N.A.
	Blade length	480 (mm)
	Swept area [cm^2(in.^{2})]	5630 (873)
Windshield washer	Type (standard)	Electric
	Type (optional)	N.A.
	Fluid level indicator	Warning light
Horn	Type	90 diameter
	Number used	two
Other		Brake system and parking brake warning light, fasten belts warning light

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METRIC (U.S. Customary)

Car Line Dodge Conquest, Plymouth Conquest
Model Year 1985 Issued 3-1-1984 Revised (•)

Engine Description/Carb.
Engine Code

G54B with Turbo (2.555 Liters)

Electrical – Supply System

Battery	Make	YUASA BATTERY CO.,LTD. or JAPAN STORAGE BATTERY CO.,LTD. or MATSUSHITA BATTERY IND. CO.,LTD. or SHIN-KOBE ELECTRIC MACHINERY CO.,LTD.
	Model, std., (opt.)	NX100-S6(S)-MF
	Voltage	12
	Amps at 0°F cold crank	420
	Minutes-reserve capacity	75
	Amp/hrs. - 20 hr. rate	45
	Location	Front, left side of engine compartment
Generator or alternator	Type and rating	65
	Ratio (alt. crank/rev.)	2.06 : 1
	Optional (type & rating)	N.A.
Regulator	Type	Voltage Control

Electrical – Starting System

Start. motor	Current drain at 0°F	
Motor drive	Engagement type	Solenoid
	Pinion engages from (front, rear)	Front

Electrical – Ignition System

Type	Conventional (std., opt., n.a.)		N.A.
	Electronic (std., opt., n.a.)		Std.
	Other (specify)		
Coil	Make		Diamond Electric Manufacturing Co.,Ltd.
	Model		LB-119
	Current	Engine stopped – A	N.A.
		Engine idling – A	1.4
Spark plug	Make		NGK Spark Plug Co.,Ltd. or Nippon Denso
	Model		BUR6EA-11 or W20EPR-S11
	Thread (mm)		14
	Tightening torque [N-m (lb., ft.)]		20 to 30 (15 to 22)
	Gap		1.0 to 1.1
	Number per cylinder		1
Distributor	Make		Mitsubishi Electric Corp.
	Model		

Electrical – Suppression

Locations & type	

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Body Type

G54B with Turbo (2.555 Liters)

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)		–
Hood	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	–
	Release control (internal, external)	Internal
Trunk lid	Type (counterbalance, other)	Gas spring
	Internal release control (elec., mech., n.a.)	Mech.
Hatch back lid	Type (counterbalance, other)	Gas spring
	Internal release control (elec., mech., n.a.)	Mech.
Bumper front	Bar material & mass (wt.)	Polyurethane (2.09kg)
	Reinforcement material & mass (wt.)	Steel (10.9kg)
Bumper rear	Bar material & mass (wt.)	Polyurethane (2.68kg)
	Reinforcement material & mass (wt.)	Steel (11.0kg)
Vent window control (crank, friction, pivot, power)	Front	None
	Rear	None
Seat cushion type	Front	Spring
	Rear	Urethane form
	3rd seat	–
Seat back type	Front	Spring
	Rear	Urethane form
	3rd seat	–
Vehicle ident. no. location		

Frame

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

Glass

Backlight slope angle (deg.)	H121	69.5	(°)
Windshield slope angle (deg.)	H122	60	(°)
Tumble-Home (deg.)	W122	30.5	(°)
Windshield glass exposed surface area [cm^2($in.^2$)]	S1	7368 (1142)	
Side glass exposed surface area [cm^2(in^2)]	S2	8740 (1350)	
Backlight glass exposed surface area [cm^2($in.^2$)]	S3	9350 (1450)	
Total glass exposed surface area [cm^2($in.^2$)]	S4	25458 (3942)	
Windshield glass (type)		Curved-Laminated plate	
Side glass (type)		Curved-Tempered plate	
Backlight glass (type)		Curved-Tempered plate	

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METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	G54B with Turbo (2.555 Liters)

Restraint System

Active restraint system	Standard/ optional	Standard
	Type and description	Front: 3 point seat belt with ELR; Rear: outboard: 2 point seat belt with ALR Rear: center: 2 point seat belt with manual adjusting device
	Location	Front, Rear
Passive seat belts	Standard/ optional	N.A.
	Power/ manual	–
	2 or 3 point	–
	Knee bar/ lap belt	–

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Body Type G54B with Turbo (2.555 Liters)

Convenience Equipment (standard, optional, n.a.)

Air conditioning (manual, auto. temp control)		Std. (auto), Opt. (auto or manual)
Clock (digital, analog)		Std. (digital)
Compass / thermometer		N.A.
Console (floor, overhead)		Std. (floor)
Defroster, elec. backlight		Std.
Electronic	Diagnostic warning (integrated, individual)	Std. (partly integrated)
	Instrument cluster (list instruments)	Opt. (speed, tacho, fuel, temp, trip-odo, volt, oilpress, turbo)
	Keyless entry	N.A.
	Tripminder (avg. spd., fuel)	Opt.
	Voice alert (list items)	Opt. (parking brake, seat belt, head light, ignition key, parking position, door
	Other	
Fuel door lock (remote, key, electric)		Std. (remote, key)
Lamps	Auto head on / off delay, dimming	N.A.
	Cornering	N.A.
	Courtesy (map, reading)	Std.
	Door lock, ignition	Std.
	Engine compartment	N.A.
	Fog	Std.
	Glove compartment	Std.
	Trunk	Std.
	Other	
Mirrors	Day/night (auto. man.)	Std. (man)
	L.H. (remote, power, heated)	Std. (power)
	R. H. (convex, remote, power, heated)	Std. (convex, power)
	Visor vanity (RH / LH, illuminated)	RH/Std. (illu. op) LH/OP. (NUL, RUL) / RH/Std. (illu.) LH/Std. (NSL, RSL NFGL)
Parking brake-auto release (warning light)		
Power equipment	Door locks / deck lid - specify	Opt. / N.A.
	Seat (2-4-6 way) heated (driver, pass, other) lumbar, hip, thigh support (power, manual) reclining (driver, pass) memory (1-2 preset, recline)	
	Side windows	Std.
	Vent windows	N.A.
	Rear window	N.A.
Radio systems	Antenna (location, whip, w/shield, power)	Std. (power on rear quater)
	AM, FM, stero, tape, CB	Std. (AM/FM Mpx, electronic auto tuning radio with cassete plyer)
	Speaker (number, location) Premium sound	Std. (4speakers-i/pnl, rear she(f), Opt. 8speakers-i/pnl, doors, rear she(f)
Roof open air/fixed (flip-up, sliding, "T")		Opt. (flip-up)
Speed control device		Std.
Speed warning device (light, buzzer, etc.)		N.A.
Tachometer (rpm)		Std.
Theft protection-type		Disk tumbler, key locks on ignition switch, doors, fuel lid luggage compartment & lockable steering

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METRIC (U.S. Customary)

Car Line Dodge Conquest, Plymouth Conquest

Model Year 1985 Issued 3-1-1984 Revised (*)

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.

Body Type	SAE Ref. No.	G54B with Turbo (2.555 Liters)
Width		
Tread (front)	W101	1395
Tread (rear)	W102	1400
Vehicle width	W103	1685
Body width at Sg RP (front)	W117	1630
Vehicle width (front doors open)	W120	3745
Vehicle width (rear doors open)	W121	-
Length		
Wheelbase	L101	2435
Vehicle length	L103	4400
Overhang (front)	L104	970
Overhang (rear)	L105	995
Upper structure length	L123	2600
Rear wheel C/L "X" coordinate	L127	2010
Cowl point "X" coordinate	L125	85
Height*		
Passenger distribution (frt./rear)	PD1,2,3	Front:2, Rear:3
Trunk/cargo load		-
Vehicle height	H101	1275
Cowl point to ground	H114	915
Deck point to ground	H138	895
Rocker panel-front to ground	H112	180
Bottom of door closed-front to grd.	H133	260
Rocker panel-rear to ground	H111	175
Bottom of door closed-rear to grd.	H135	-
Ground Clearance*		
Front bumper to ground	H102	350
Rear bumper to ground	H104	300
Bumper to ground [front at curb mass (wt.)]	H103	355
Bumper to ground [rear at curb mass (wt.)]	H105	370
Angle of approach (degrees)	H106	18°
Angle of departure (degrees)	H107	19°
Ramp breakover angle (degrees)	H147	12°
Rear axle differential to ground	H153	160
Min. running ground clearance	H156	115
Location of min. run. grd. clear.		Exhaust pipe

All linear dimensions are in millimeters (inches/mm); all mass (weight) specifications are in kilograms (pounds); and all angular dimensions in degrees.

* 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.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)
Car and Body Dimensions

See Key Sheets for definitions

Car Line Dodge Conquest, Plymouth Conquest
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Body Type	SAE Ref. No.	G54B with Turbo (2.555 Liters)

Front Compartment

Sg RP front, "X" coordinate	L31	995
Effective head room	H61	930
Max. eff. leg room (accelerator)	L34	1035
Sg RP (front to heel)	H30	215
Design H-point front travel	L17	180
Shoulder room	W3	1330
Hip room	W5	1350
Upper body opening to ground	H50	1190
Steering wheel angle	H18	21°
Back angle	L40	25°

Rear Compartment

Sg RP Point couple distance	L50	605
Effective head room	H63	900
Min. effective leg room	L51	740
Sg RP (second to heel)	H31	250
Knee clearance	L48	0
Compartment room	L3	525
Shoulder room	W4	1300
Hip room	W6	1030
Upper body opening to ground	H51	–
Back angle	L41	25° (outboard) 28° (center)

Luggage Compartment

Usable luggage capacity [L (cu. ft.)]	V1	–
Liftover height	H195	–

Interior Volumes (EPA Classification)

Vehicle class		Sub compact
Interior volume index (cu. ft.)		86.5 ft^3
Trunk/cargo index (cu. ft.)	V3	10.3 ft^3

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METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	G54B with Turbo (2.555 Liters)

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	–
Back angle	L88	–

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)	W201	–
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	–
Tailgate to ground height	H250	–
Front seat back to load floor height	H197	–
Cargo volume index [$m^3(ft.^3)$]	V2	–
Hidden cargo volume [$m^3(ft.^3)$]	V4	–
Cargo volume, index-rear of 2-seat	V10	–

Hatchback – Cargo Space

Front seat back to load floor height	H197	285
Cargo length at front seat back height	L208	1250
Cargo length at floor (front)	L209	1515
Cargo volume index [$m^3(ft.^3)$]	V3	0.51
Hidden cargo volume [$m^3(ft.^3)$]	V4	–
Cargo volume index-rear of 2-seat	V11	–

Aerodynamics*

Wheel lip to ground, front	–
Wheel lip to ground, rear	–
Frontal area [$m^2(ft^2)$]	1.74 (18.77)
Drag coefficient (Cd)	0.35

* Describe measurement method.

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Passenger Car

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Car Line Dodge Conquest, Plymouth Conquest

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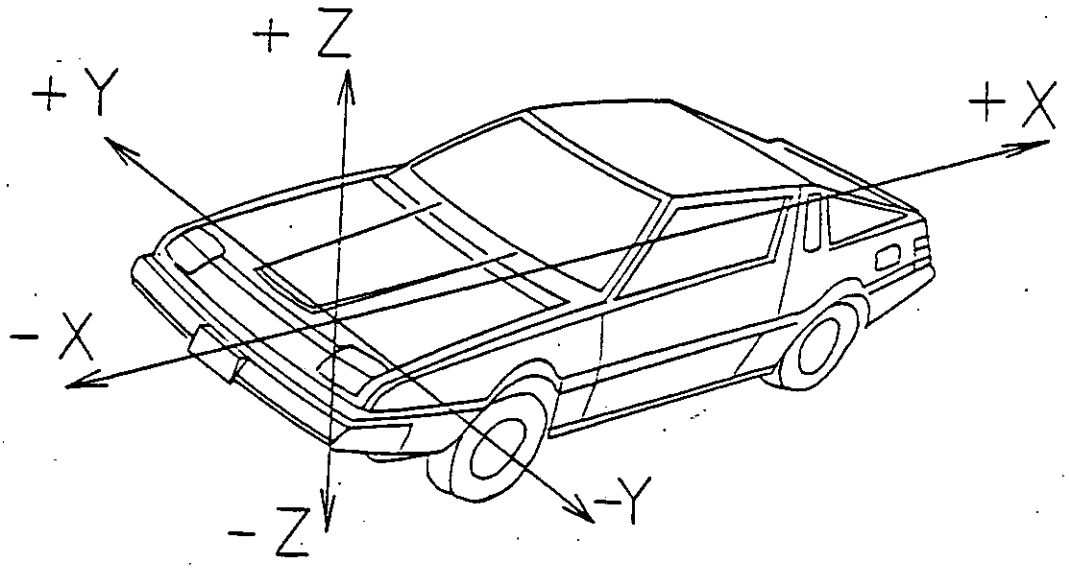
Body Type G54B with Turbo (2.555 Liters)

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location
Front		
Rear		Datum plane difinition - Vertical longitudinal plane through the longitudinal center of the car. Vertical transverse plane through the front wheel center. Horizontal plane through the bottom of the rocker panels.
Fiducial Mark Number		
Front	W21	345
	L54	0.35
	H81	111
	H161	295
	H163	-
Rear	W22	520
	L55	2965
	H82	291
	H162	450
	H164	-

* Reference – SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks – September, 1973.
All linear dimensions are in millimeters (inches).

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METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	G54B with Turbo (2.555 Liters)

Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (H127)	Highest**	720
		Lowest	–
	Taillamp (H128)	Highest**	725
		Lowest	720
	Sidemarker	Front	595
		Rear	745
Distance from C/L of car to center of bulb	Headlamp	Inside	–
		Outside**	560
	Taillamp	Inside	415 565
		Outside**	715
	Directional	Front	570
		Rear	415 565
Headlamp shape			5.6 X 7.9 in rectangular unit

* Measured at curb mass (weight).
** If single lamps are used enter here.

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Model	Vehicle Mass (weight)							
	CURB MASS, kg. (weight, lb.)*			% PASS. MASS DISTRIBUTION				SHIPPING MASS, kg. (weight, lb.)**
				Pass In Front		Pass In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
A187AMNUL2	678	600	1278	63	73	95	109	1230
A187AMNUL7	(1495)	(1323)	(2818)	(139)	(161)	(209)	(240)	(2712)
A187AMNUL4								
A187AMNUL9								
A187AMRUL2	692	608	1300	63	73	95	109	1252
A187AMRUL7	(1526)	(1340)	(2866)	(139)	(161)	(209)	(240)	(2760)
A187AMRUL4								
A187AMRUL9								
A187AMNSL2	689	604	1293	63	73	95	109	1245
A187AMNSL7	(1519)	(1332)	(2851)	(139)	(161)	(209)	(240)	(2745)
A187AMNSL4								
A187AMNSL9								
A187AMRSL2	703	612	1315	63	73	95	109	1267
A187AMRSL7	(1550)	(1349)	(2899)	(139)	(161)	(209)	(240)	(2793)
A187AMRSL4								
A187AMRSL9								

* Reference — SAE J1100a, Motor vehicle dimensions, curb weight definition.
** Shipping mass (weight) definition — Curb weight-fuel (48kg)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line Dodge Conquest, Plymouth Conquest
Model Year 1985 Issued 3-1-1984 Revised (•)

Optional Equipment Differential Mass (weight)*

Equipment	MASS, kg. (weight, lb.)			Remarks
	Front	Rear	Total	
Cruise control	2.6	-0.2	2.4	
	(5.7)	(-0.4)	(5.3)	
Air conditioning	26.4	-2.0	24.4	
	(58.2)	(-4.4)	(53.8)	
Full adjust seats	3.3	5.7	9.0	
	(7.3)	(12.5)	(19.8)	
El. auto. tuning radio	1.15	0.45	1.6	
with casette player	(2.54)	(0.99)	(3.53)	
8 speakers	0.6	0.9	1.5	
	(1.3)	(2.0)	(3.3)	
Digital speedometer	0.1	0	0.1	
	(0.2)	(0)	(0.2)	

* Also see Engine – General Section for dressed engine mass (weight).

MVMA Specifications Form
Passenger Car
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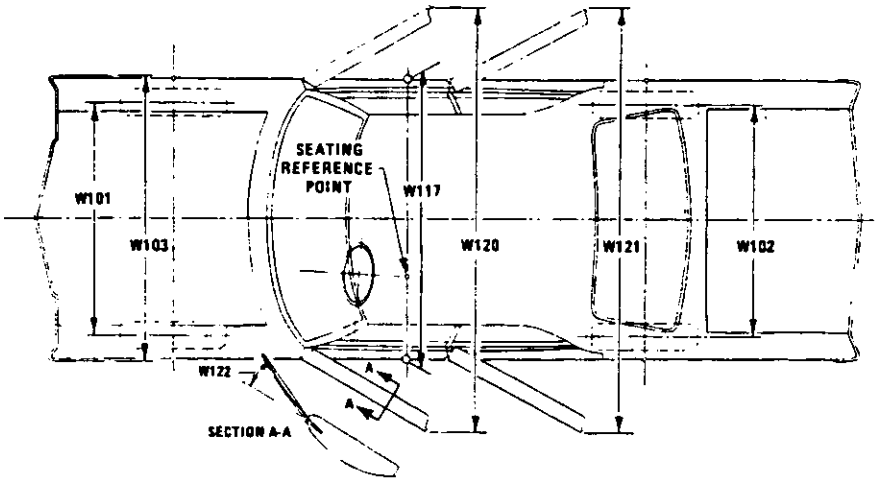
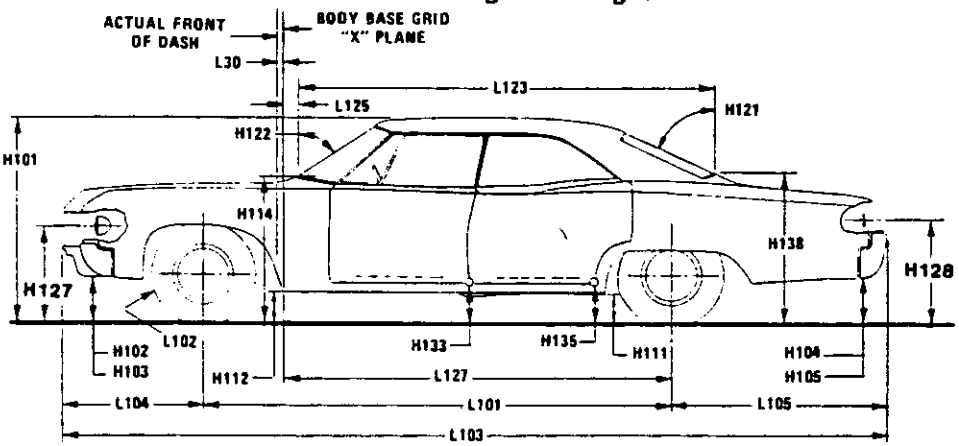
Exterior Car And Body Dimensions – Key Sheet

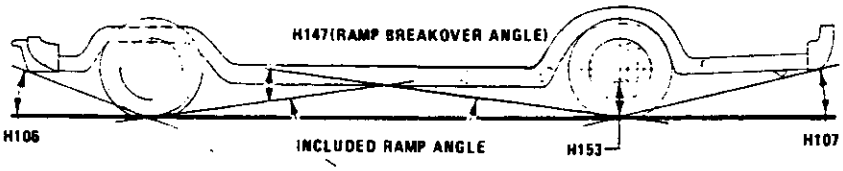
Exterior Width



Exterior Length & Height



Exterior Ground Clearance



MVMA Specifications Form
Passenger Car
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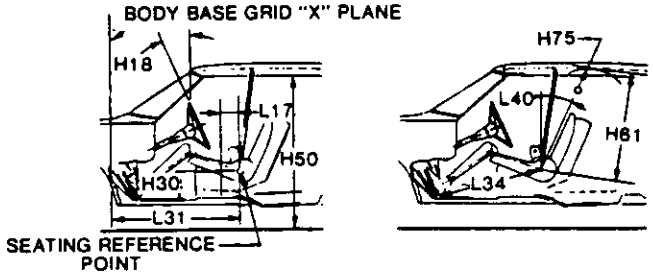
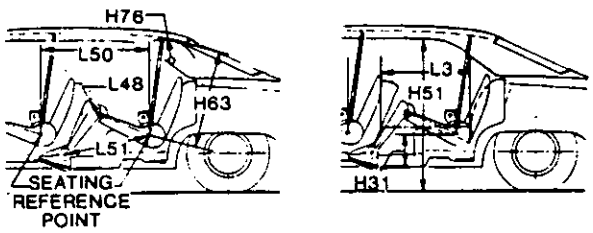
Interior Car And Body Dimensions – Key Sheet

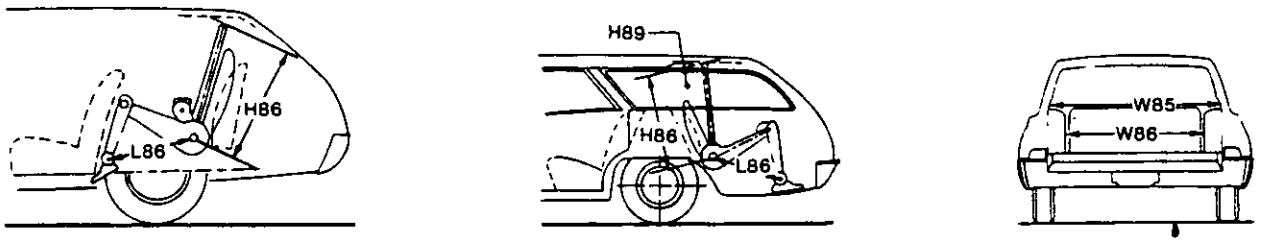
Front Compartment



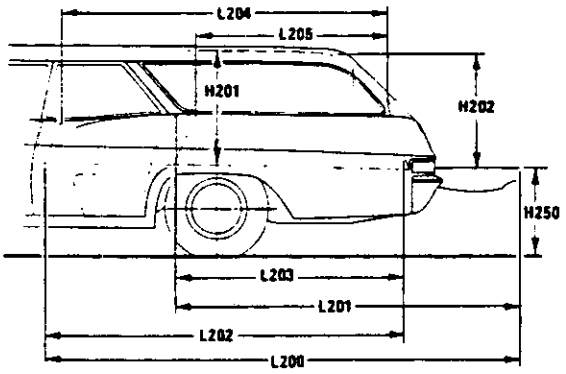
Rear Compartment



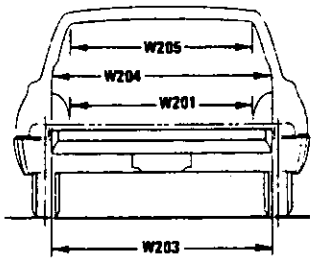
Third Seat

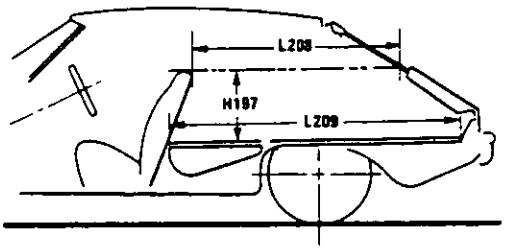


Cargo Space



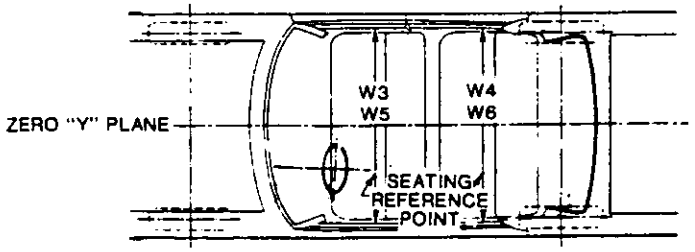
Station Wagon





Hatchback

Interior Width



MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet
Dimensions Definitions

Seating Reference Point

SEATING REFERENCE POINT means the manufacturer's design reference point which –

(a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;

(b) Has coordinates established relative to the design vehicle structure;

(c) Simulates the position of the pivot center of the human torso and thigh; and

(d) Is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "Manikins for Use in Defining Vehicle Seating Accommodations," November 1962.

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 positions. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.

W122 TUMBLE HOME. STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface of the front door glass at the front SgRP "X" plane.

Length Dimensions

L30 FRONT OF DASH "X" COORDINATE. A minus (-) dimension indicates actual front of dash in 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 in 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.

H121 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of backlight at vehicle zero "Y" plane. For curve backlight, the angle is to chord of backlight arc from lower DLO to upper DLO.

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 457 mm (18.0 in.) long drawn from the lower DLO to the intersecting point on the windshield.

H127 HEADLAMP TO GROUND–CURB MASS (WT.). The dimension measured vertically from the centerline of the lowest headlamp lens to ground.

H128 TAILLAMP TO GROUND–CURB MASS (WT.). 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 MASS (WT.). 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 MASS (WT.). Measured in the same manner as H104.

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Interior Car And Body Dimensions – Key Sheet
Dimensions Definitions

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.

H61 EFFECTIVE HEAD ROOM–FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP–front to the headlining plus 102 mm (4.0 in.).

H75 EFFECTIVE T-POINT HEAD ROOM–FRONT. The minimum radius from the T-point to the headlining plus 762 mm (30 in.).

L34 MAXIMUM EFFECTIVE LEG ROOM–ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP–front plus 254 mm (10.0 in.) 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 trace 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 254 mm (10.0 in.) 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 25 mm (1.0 in.) below and 76 mm (3.0 in.) above the SgRP–front and 76 mm (3.0 in.) fore and aft the SgRP–front.

H50 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.
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 manufactuer.

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 COUBLE 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 102 mm (4.0 in.).

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 254 mm (10.0 in.).

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 51 mm (2.0 in.).

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 254-406 mm (10.0-16.0 in.) 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 330 mm (13.0 in.) forward of the SgRP–second.

L-41 Same as L-40.

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 SAE-J1100a.

H195 LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

Interior Volumes (EPA Classification)

The Interior Volume Index is listed for each body style except two seaters. The interior volume index estimates the space in a car. It is based on four measurements – head room, shoulder room, hip room, and leg room – for the front and rear seats, plus trunk capacity. The interior volume index is an estimate of the size of the passenger compartment.

The Trunk/Cargo Index is an estimate of the size of the trunk/cargo space. In station wagons and hatchbacks, it is an estimate of the space behind the second seat.

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 254 mm (10.0 in.).

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 102 mm (4.0 in.).

H89 EFFECTIVE T-POINT HEAD ROOM–THIRD. Measured in the same manner as H75.

L-88 Same as L-40.

Station Wagon – Cargo Space Dimensions

L200 CARGO LENGTH–OPEN–FRONT. The minimum dimension measured longitudinally from the back of the front

Station wagon – Cargo Space Dimensions (con't.)

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 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.

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 door 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 MASS WT.). 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:

$$\frac{W4 \times H201 \times L204}{1728} = ft.^3$$

Measured in mm:

$$\frac{W4 \times H201 \times L204}{10^9} = m^3 \text{ (cubic meter)}$$

V4 HIDDEN CARGO VOLUME. As specified by the manufacturer.

V10 STATION WAGON (REAR OF SECOND SEAT)
Measured in inches:

$$\frac{W4 \times H201 \times L205}{1728} = ft.^3$$

Measured in mm:

$$\frac{W4 \times H201 \times L205}{10^9} = \text{liters}$$

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 the 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.

H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT: The vertical dimension from the horizontal tangent to top of seatback to undepressed floor covering at zero "Y" plane.

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.

L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT–HATCHBACK. The horizontal dimension from the "X" plane tangent to rearmost surface of second seatback or the load floor which is stowed at least one half of the H198 dimension height above the rear load floor, to the rearmost inside limiting interference on the zero "Y" plane.

L211 CARGO LENGTH AT FLOOR–HATCHBACK–SECOND. The horizontal dimension at floor level from the rear of the second seatback or load floor panel to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.

V3 HATCHBACK.
Measured in inches:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{1728} = ft.^3$$

Measured in mm:

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

V11 HATCHBACK (REAR OF SECOND SEAT)
Measured in inches:

$$\frac{W4 \times H198 \times \frac{L210 + L211}{2}}{1728} = ft.^3$$

Measured in mm:

$$\frac{W4 \times H198 \times \frac{L210 + L211}{2}}{10^9} = \text{litres}$$

MVMA Specifications Form
Passenger Car
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MVMA Specifications Form
Passenger Car

Car Line Dodge Conquest, Plymouth Conquest
Model Year 1985 Issued 3-1-1984 Revised (•) _____

FEATURE HIGHLIGHTS

(Manufacturers selected list of special vehicle features; indicate if new or model year introduced)

BODY:

- Aerodynamic style body (Cd. 0.35)
- Anti-corrosion treatment
- Safety body structure

CHASSIS:

- Independent four wheel suspension with hi caster front suspension
- Ventilated four wheel disc brake
- Sporty power steering
- P215/60R15 low aspect ratio radial tire (option)

ENGINE:

- 2.6 ECI turbo-charged engine with balancer shaft and MCA (Mitsubishi Clean Air) system

ELECTRICAL:

- Electronic automatic tunning radio (AM/FM MPX) with cassette plyer with 8 speaker system
- Power window
- Headlight washers
- Digital quartz clock
- Digital speedometer

OTHER:

- Air mix type dual by-level heater
- Feel support seat
- Retractable head light
- Aerodynamic wiper