American Motors

1971 AMA SPECIFICATIONS FORM . . . Passenger Car

MANUFACTURER	CAR NAME	
AMERICAN MOTORS CORPORATION	. Gremlin . Matador . Javelin . Hornet . Ambassador	
MAILING ADDRESS 14250 Plymouth Road Detroit, Michigan 48232 Attn: C. Chakmakian, Manager Product Information Dept., 493-2557 (313)	MODEL YEAR 1971	ISSUED October 6, 1970 REVISED (•)

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NOTES:

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

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BODY MODEL	Body type, number of passengers, and style names; use manufacturer's code for series & body style.

		2-DOOR SEDAN	4-DOOR SEDAN	4-DOOR WAGON	2-DOOR HARDTOP
7101: HORNET;	BASE (Six)	7106-0	7105-0	- - -	- - -
	SST (Six & V-8)	7106-7	7105-7	- - -	- - -
	SC/360 (V-8)	7106-1	- - -	- - -	- - -
	SPORTABOUT (Six & V-8)	- - -	- - -	7108-7	- - -
7140: GREMLIN;	2-Passenger (Six)	7146-0	- - -	- - -	- - -
	4-Passenger (Six)	7146-5	- - -	- - -	- - -
7170: JAVELIN;	BASE (Six & V-8)	- - -	- - -	- - -	7179-5
	SST (Six & V-8)	- - -	- - -	- - -	7179-7
	AMX (V-8)	- - -	- - -	- - -	7179-8
7110: MATADOR;	(Six & V-8)	- - -	7115-7	7118-7	7119-7
7180: AMBASSADOR;	DPL (Six & V-8)	- - -	7185-2	- - -	- - -
	SST (V-8)	- - -	7185-5	7188-5	7189-5
	BROUGHAM (V-8)	- - -	7185-7	7188-7	7189-7

Gremlin models are 2- or 4-passenger.
All Hornet models are 5-passenger.
All Javelin models are 4-passenger.
All Matador & Ambassador models are 6-passenger except:
8-Pass. for Matador, Ambassador SST & Brougham 3-Seat Wagon option.
5-Pass. for Matador, Ambassador Brougham Hardtops with optional Bucket Seats.
Bucket Seats optional on Matador Hardtop & Ambassador Brougham Hardtop.
Bucket Seats standard on all Javelin models.
Bucket Seats optional on Gremlin 4-passenger model (standard on Gremlin X).
Individually-Adjustable Reclining Seats standard on Ambassador Brougham, optional on Ambassador DPL & SST, all Matadors plus Hornet SST and Sportabout (standard on Hornet SC/360 & Sportabout D/L).
All Matador & Ambassador Wagons have Dual-Hinged Tailgate.
All Hornet Sportabout Wagons have a Liftgate.
Gremlin 4-passenger model has Fold-Down Rear Seat & Liftgate Window.
Roof Rack Standard on all Ambassador Wagons, optional on Matador Wagon, Gremlins & Hornet Sportabout (standard on Sportabout D/L).

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CAR AND BODY DIMENSIONS

See Pages 27, 28 & 30 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for: 4-Dr. Sedan, 2-Dr. H.T., 4-Dr. H.T., Convertible and Station Wagon.

See Pages 29, 31 & 32 for complete dimensions on all body styles.

MODEL	SAE Ref. No.	HORNET 7101		GREMLIN 7140	MATADOR 7110			AMBASSADOR 7180			JAVELIN 7170
WIDTH		2-&4-Door Sedan	4-Door Wagon	2-Door Sedan	4-Door Sedan	2-Door Hardtop	4-Door Wagon	4-Door Sedan	2-Door Hardtop	4-Door Wagon	2-Door Hardtop
Track – Front	W101	57.46 (57.24 V8)		57.46	59.94 (59.72 V8)			59.94 (59.72 V8)			59.30 (59.70 V8)
Track – Rear	W102	57.00 (56.60 V8)		57.00	60.00			60.00			60.00
Maximum overall car width	W103	70.58		70.58	77.24			77.24			75.20
Body width at No. 2 pillar	W117	67.88		67.88	75.46			75.46			69.71
LENGTH											
Body "O" to front of dash	L 30	1.50		1.50	1.50			1.50			1.50
Wheelbase	L101	108.00		96.00	118.00			122.00			110.00
Overall car length	L103	179.26		161.25	206.05	206.05	205.00	210.78	210.78	209.73	191.77
Overhang – front	L104	33.25		33.25	34.93			35.66			42.25
Overhang – rear	L105	38.01		32.00	53.12	53.12	52.07	53.12	53.12	52.07	39.52
Body upper structure length	L123	96.10	118.00	94.37	104.37	110.23	135.86	104.37	110.23	135.86	99.86
Body "O" line to ℄ of rear wheel	L127	96.00		84.00	100.00			100.00			96.00
Body "O" line to w/s cowl point	L130	9.12		9.12	7.50			7.23			7.55
HEIGHT				2-0 &							
Passenger Distribution (front & rear)		3-2		2-2	2-3 (capacity 3-3)			2-3 (capacity 3-3)			2-2
Trunk/Cargo load (lbs.)		175		175	200	200	300	200	200	300	200
Overall height	H101	52.40	52.90	51.80	55.35	53.82	56.39	55.54	54.86	56.70	50.87
Cowl height	H114	36.54	37.15	35.83	38.47	37.59	39.21	38.55	38.55	39.56	36.55
Deck height	H138	- - -		- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
Rocker panel – front: To ground	H112	8.20	8.92	7.60	9.10	8.22	10.00	9.16	9.16	10.31	9.02
Rocker panel – front: From front wheel ℄	H112	- - -		- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
Rocker panel – rear: To ground	H111	6.90	7.82	6.41	8.16	7.28	9.86	8.17	8.17	9.97	8.23
Rocker panel – rear: From rear wheel ℄	H111	- - -		- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
Windshield slope angle	H122	57°30'		57°30'	54°6'			54°6'			59°7'
GROUND CLEARANCE											
Bumper to ground – front	H102	17.35	11.90	16.70	12.67	11.79	12.84	12.70	12.70	13.33	17.84
Bumper to ground – rear	H104	15.30	11.90	14.70	15.60	14.72	12.79	15.54	15.54	12.71	15.98
Angle of approach	H106	26°56'	28°0'	27°4'	27°46'	27°37'	28°33'	25°27'	25°21'	26°34'	23°35'
Angle of departure	H107	19°0'	23°30'	23°0'	13°59'	14°5'	14°28'	14°14'	14°13'	14°47'	19°0'
Ramp breakover angle	H147	16°20'	18°0'	17°0'	16°59'	17°1'	18°48'	14°35'	15°49'	16°54'	17°30'
Min. running clearance (Specify)	H156	5.21	5.65	5.01	6.08	5.20	6.60	6.29	6.29	7.00	5.48
" " " Location		Exhaust		R.Axle	Front Suspension			Rear Axle Diff.		F.Susp.	Exhaust

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MAKE OF CAR AMERICAN MOTORS MODEL YEAR 1971 DATE ISSUED 10-6-70 REVISED (*)

CAR AND BODY DIMENSIONS

See Pages 27, 28 & 30 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

See Pages 29, 31 & 32 for complete dimensions on all body styles.

MODEL	SAE Ref. No.	HORNET 7101		GREMLIN 7140	MATADOR & AMBASSADOR 7110 & 7180			JAVELIN 7170
FRONT COMPARTMENT		2-& 4-Door Sedan	4-Door Wagon	2-Door Sedan	4-Door Sedan	2-Door Hardtop	4-Door Wagon	2-Door Hardtop
Effective head room	H61	38.00		38.00	39.60	38.95	39.88	37.50
Max. eff. leg room – accelerator	L34	41.05		41.05	41.80			42.45
H Point to Heel point	H30	8.72		8.72	9.72			8.12
H Point travel	L17	4.93		4.93	4.93			4.93
Shoulder room	W 3	54.88		54.88	60.00			55.00
Hip room	W 5	54.88		54.88	60.30			57.60
Upper body opening to ground	H50	48.45		47.40	50.13M	48.66M	50.95M	45.52
REAR COMPARTMENT					49.86A	50.33A	51.16A	
H Point couple distance	L50	32.14		24.50	34.82	31.69	34.82	27.75
Effective head room	H63	37.00	37.40	36.40	37.47	36.60	38.71	35.60
Min. effective leg room	L51	36.75		29.00	38.60	35.50	38.60	30.80
H Point to Heel point	H31	11.05		12.15	10.82	10.10	10.82	10.25
Min. knee room	L48	3.65		1.50	5.70	3.30	5.70	1.25
Rear Compartment room	L 3	26.07		20.90	29.60	26.26	29.60	21.90
Shoulder room	W 4	53.32		52.96	60.00	59.00	60.00	53.20
Hip room	W 6	54.40		52.96	60.40	59.50	60.40	56.38
Upper body opening to ground	H51	48.12	48.36	- - -	49.06M	- - -	50.64M	- - -
LUGGAGE COMPARTMENT					49.24A	- - -	50.78A	
Usable luggage capacity	V 1	11.20(1)	- - -	6.0(1)	18.20(1)	18.20(1)	- - -	10.20(1)
Liftover height	H195	28.75	- - -	33.90	28.91	28.03	- - -	31.60
Position of spare tire storage		Tilted, Center Frt.	- - -	(2)	Tilted, Center Front			(3)
Method of holding lid open		Counterbalanced		C'balanced	Counterbalanced, Flat Wound Spring			
STATION WAGON – THIRD SEAT Optional		Torsion Bar	Two Spring Cylinders	One Spring Cylinder				
Shoulder Room	W85	- - -		- - -	59.25			- - -
Hip room	W86	- - -		- - -	38.12			- - -
Effective leg room	L86	- - -		- - -	30.75			- - -
Effective head room	H86	- - -		- - -	36.00			- - -
Seat facing direction		- - -		- - -	REAR			- - -
STATION WAGON – CARGO SPACE								
Cargo length at floor – front seat	L202	74.30		- - -	92.63			- - -
Cargo length at belt – front seat	L204	70.58		- - -	82.73			- - -
Cargo width – Wheelhouse	W201	41.50		- - -	45.08			- - -
Opening width at belt	W204	52.00		- - -	53.60			- - -
Maximum cargo height	H201	27.90		- - -	31.72			- - -
Rear opening height	H202	25.78		- - -	27.84			- - -
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	60.76 (+3.8 under floor)		- - -	91.12 (+8 under floor)			- - -

(1) Plus 2 Cu.Ft. with opt. "Space-Saver" Spare(Std. SC/360, Sportabout, AMX & with opt. wheels)
(2) Flat, Left Rear.
(3) Tilted, Right Front. Opt. "Space-Saver", Flat, Right Rear (Std. AMX).

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POWER TEAMS

(Indicate whether standard or optional)

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

(Automatic Transmission Name, "Shift-Command")

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		
GREMLIN	232 Six	1-B.	8.0	135 @ 4000	210 @ 1600	3-S.Man.Col.or Fl.	2.73 (3.08 & 3.31 Opt.)
						3-S. Auto. Column	2.37 (2.73 & 3.08 Opt.)(1)
	258 Six	1-B.	8.0	150 @ 3800	240 @ 1800	3-S. Man. Floor	2.73 (3.08 & 3.31 Opt.)
						3-S. Auto. Column	2.73 (3.08 & 3.31 Opt.)
HORNET Base, SST & Sportabout	232 Six	1-B.	8.0	135 @ 4000	210 @ 1600	3-S. Man. Column	3.08 (3.31 Opt.)
						3-S. Auto. Column	2.37 (2.73 & 3.08 Opt.)(1)
	258 Six	1-B.	8.0	150 @ 3800	240 @ 1800	3-S. Man. Floor	3.08 (3.31 Opt.)
						3-S. Auto. Column	2.73 (3.08 & 3.31 Opt.)
HORNET SST & Sportabout	304 V-8	2-B.	8.4	210 @ 4400	300 @ 2600	3-S. Auto. Column	2.87 (3.15 Opt.)
HORNET SC/360	360 V-8	2-B.	8.5	245 @ 4400	365 @ 2600	3-S. Man. Floor	3.15 (3.54 Opt.)
						3-S. Auto. Column	2.87 (3.15 Opt.)
	360 V-8	4-B.	8.5	285 @ 4800	330 @ 5000	3-S. Man. Floor	3.15 (3.54 Opt.)
						4-S. Man. Floor	3.54 (3.15 & 3.91 Opt.)
						3-S. Auto. Column	3.15 (3.54 Opt.)
JAVELIN Base & SST	232 Six	1-B.	8.0	135 @ 4000	210 @ 1600	3-S. Man. Floor	3.08 (3.31 & 3.58 Opt.)
						3-S. Auto. Column	3.08 (3.31 Opt.)
	258 Six	1-B.	8.0	150 @ 3800	240 @ 1800	3-S. Auto. Column	3.08 (3.31 Opt.)
	304 V-8	2-B.	8.4	210 @ 4400	300 @ 2600	3-S. Man. Floor	3.15 (3.54 Opt.)
						3-S. Auto.Col.&Fl.	2.87 (3.15 Opt.)
JAVELIN Base,SST & AMX (AMX comes with Floor Shift only)	360 V-8 (Std. AMX)	2-B.	8.5	245 @ 4400	365 @ 2600	3-S. Man.Fl.(AMX)	3.15 (3.54 Opt.)
						3-S.Auto.Col.&Fl.	2.87 (3.15 Opt.)
	360 V-8	4-B.	8.5	285 @ 4800	330 @ 5000	3-S. Man.Fl.(AMX)	3.15 (3.54 Opt.)
						4-S. Man. Floor	3.54 (3.15 & 3.91 Opt.)
						3-S. Auto.Col.&Fl.	2.87 (3.15 Opt.)(2)
	401 V-8	4-B.	9.5	330 @ 5000	430 @ 3400	4-S. Man. Floor	3.54 (3.15 & 3.91 Opt.)(2)
						3-S. Auto. Floor	2.87 (3.15 & 3.54 Opt.)
MATADOR	232 Six	1-B.	8.0	135 @ 4000	210 @ 1600	3-S. Man. Column	3.15 (3.54 Opt.)
						3-S. Auto.Column	3.15 (3.54 Opt.)
MATADOR & AMBASSADOR DPL	258 Six	1-B.	8.0	150 @ 3800	240 @ 1800	3-S. Auto. Column	3.15 (3.54 Opt.)
MATADOR & AMBASSADOR SST & BROUGHAM	304 V-8	2-B.	8.4	210 @ 4400	300 @ 2600	3-S.Auto. Column	2.87 (3.15 Opt.)
						Fl. in Mat. & Amb. Brougham HT. w/opt. Buckets	
	360 V-8	2-B.	8.5	245 @ 4400	365 @ 2600	3-S. Auto.Column	2.87 (3.15 Opt.)
						Fl. in Mat. & Amb. Brougham HT w/opt. Buckets	
	360 V-8	4-B.	8.5	285 @ 4800	330 @ 5000	3-S. Auto.Column	2.87 (3.15 Opt.)
						Fl. in Mat. & Amb. Brougham HT w/opt. Buckets	
	(Matador HT w/Opt. Go Package)→					4-S. Man. Floor	3.54 (3.15 & 3.51 Opt.)
	401 V-8	4-B.	9.5	330@ 5000	430@ 3400	3-S. Auto.Column	2.87 (3.15 Opt.,& 3.54 Opt.Fl.)
						Fl. in Mat. & Amb. Brougham HT w/opt. Buckets	
	(Matador HT w/Opt. Go Package)→					4-S. Man. Floor	3.54 (3.15 & 3.91 Opt.)

(1) With A/C (& Hornet Sportabout, less or with A/C)..... 2.73 (3.08 & 3.31 Opt.).

(2) Javelin AMX with auto. trans. & Go Package: 360 4-B.. 3.15 (2.87 Opt.).
401 4-B.. 3.15 (2.87 & 3.54 Opt.).

All axle ratios available less or with "Twin-Grip"Differential(except 3.91 with "Twin-Grip"only).

Dealer Kit Axle Ratios; 3.73, 3.91 (& factory), 4.10 & 4.44 & 5.00.

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MODEL — Availability on Page 4			232 CID SIX 1-B. Carb.	258 CID SIX 1-B. Carb.	304 CID V-8 2-B. Carb.	360 CID V-8 2 & 4-B. Carb.	401 CID V-8 4-B. Carb.
ENGINE – GENERAL							
Type, no. cyls., valve arr.			In-Line 6 OHV		90° V-8 OHV		
Bore and stroke (nominal)			3.75 x 3.50	3.75 x 3.90	3.75 x 3.44	4.08 x 3.44	4.165 x 3.68
Piston displacement, cu. in.			232	258	304	360	401
Bore spacing (℄ to ℄)			4.38		4.75		
No. system (front to rear)	L. Bank		1-2-3-4-5-6		1-3-5-7		
	R. Bank		- - -		2-4-6-8		
Firing order			1-5-3-6-2-4		1-8-4-3-6-5-7-2		
Compres. ratio (nominal)			8.0:1		8.4:1	8.5:1	9.5:1
Cylinder Head Combustion Chamber Volume (cc)			64.00 ± 1.50		58.92 ± 1.50	57.92 ± 1.50	
Cylinder Head Material			Cast Iron				
Cylinder Block Material			Cast Iron				
Cyl. Sleeve-Wet,dry,none			None				
Number of mtg. points	Front		Two				
	Rear		One				
Engine installation angle			Vertical				
Taxable horsepower $\frac{Dia^2 \times No.\ Cyl.}{2.5}$			33.75		45.00	53.27	55.51
Recommended fuel regular – premium			Regular-Grade or "Low-Lead" fuels. "Lead-Free" fuels are approved, but with alternate tank fills of leaded fuels.				Premium-Grade
ENGINE – PISTONS							
Material			Aluminum Alloy with Steel Insert				
Description & Finish			"Autothermic", Flat Top with Top Cavity, Slipper Skirt, Tin Plate, Steel-Strut Inserts.				
Top Cavity Vol.(cc)			11.96 ± .50		17.18 ± .50	27.14 ± .50	27.20 ± .50
Weight (piston only) oz.			16.97		17.92	21.27	21.16
Clearance (limits)	Top land		- - -		- - -	- - -	- - -
	Skirt	Top	.0005 - .0013 (1)		.0010 - .0018(1)	.0012 - .0020(1)	.0010 - .0018(1)
		Bottom	- - -		- - -	- - -	- - -
Ring groove diameter	No. 1 ring		3.328 - 3.333		3.328 - 3.333	3.624 - 3.629	3.723 - 3.733
	No. 2 ring		3.328 - 3.333		3.328 - 3.333	3.624 - 3.629	3.705 - 3.715
	No. 3 ring		3.329 - 3.339		3.329 - 3.339	3.625 - 3.635	3.710 - 3.720
	No. 4 ring		None				

(1) Clearance measured at 2.31" below top of block at centerline of piston pin.

NOTE...Special High-Performance V-8 Induction Systems available as Dealer Kits:
1. High-Riser Aluminum Intake Manifold with Holley 3-Barrel Carburetor (also 4-Barrel).
2. Cross-Ram Aluminum Intake Manifold for Dual Holley 4-Barrel Carburetors.

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MODEL	Availability on Page 4	232 & 258 CID SIXES	304, 360 & 401 CID V-8's
ENGINE – RINGS			
Function (top to bottom)	No. 1, oil or comp.	Compression	
	No. 2, oil or comp.	Compression	
	No. 3, oil or comp.	Oil	
	No. 4, oil or comp.	None	
Compression #1 & #2	Description - material, coating, etc.	Cast-Iron Alloy Phosphate-Coated, Parco Lubrite, or Granoseal Molybdenum-Filled Face for #1 Ring	
	Width	.0775	
	Gap	.010 - .020	
Oil #3	Description - material, coating, etc.	Three Piece, Steel Rail Type Rail Faces Chrome Plated	
	Width	.0245 Each Rail (.1880 with Expander)	
	Gap	.015 - .055	
Expanders		Combination Expander - Spacer Located Between Oil Ring Rails.	
ENGINE – PISTON PINS			
Material		SAE #1016 Steel	
Length		3.187	304 & 360; 3.187 (401; 2.94)
Diameter		.931	304 & 360; .931 (401; 1.00)
Type	Locked in rod, in piston, floating, etc.	Locked-In-Rod (Press Fit)	
	Bushing: In rod or piston	None	
	Bushing: Material	None	
Clearance	In piston	.0003 - .0005	
	In rod	Press Fit (Locked)	
Direction & amount offset in piston		.0625 Toward Major Thrust Side	
ENGINE – CONNECTING RODS			
Material		Cast Nodular Iron	304 & 360, Cast Nodular Iron 401; SAE 1042 Mod., Forged Steel
Weight (oz.)		232; 23.32 (258; 24.66)	304 & 360; 24.16 (401; 28.15)
Length (center to center)		232; 6.125 (258; 5.875)	304 & 360; 5.875 (401; 5.858)
Bearing	Material & Type	Steel-Backed, Alloy Lining Det. Alum./Brass D52 or Fed. Mogul H-35LT	304 & 360; Clevite F-77 or Federaloy H-24 401; Clevite F-77
	Overall length	.860	304 & 360; .832 (401; .800)
	Clearance (limits)	.001 - .002	.001 - .002
	End play	.008 - .010	.009 - .015 (Two Rods)

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MAKE OF CAR AMERICAN MOTORS MODEL YEAR 1971 DATE ISSUED 10-6-70 REVISED (•)

MODEL	Availability on Page 4		232 & 258 CID SIXES	304, 360 & 401 CID V-8's
ENGINE – CRANKSHAFT				
Material			Cast Nodular Iron (SAE 1046 Forged Steel in 401 V-8)	
Vibration damper type			Dynamic-Tuned, Rubber-Suspended, Inertia Member	
End thrust taken by bearing (No.)			#3	
Crankshaft end play			.0015 - .007	.003 - .008
Main bearing	Material & type		Steel-Backed, Alloy Lining	
	Removable		SAE-15 Micro-Babbitt (Clevite or McQuay Norris)	304&360; Clevite F-500 or Federaloy H-35LT 401; Clevite F-77
	Clearance		.001 - .002	.001 - .002 (.002 - .003 Rear Main)
	Journal dia. and bearing overall length	No. 1	2.4986 - 2.5001 x .981	2.7474 - 2.7489 x .923 (x .9385 in 401)
		No. 2	2.4986 - 2.5001 x .981	2.7474 - 2.7489 x .923 (x .9385 in 401)
		No. 3	2.4986 - 2.5001 x 1.2685	2.7474 - 2.7489 x 1.2685
		No. 4	2.4986 - 2.5001 x .981	2.7474 - 2.7489 x .923 (x .9385 in 401)
		No. 5	2.4986 - 2.5001 x .981	2.7464 - 2.7479 x .923 (x .9385 in 401)
		No. 6	2.4986 - 2.5001 x .981	- - -
		No. 7	2.4986 - 2.5001 x .981	- - -
	Dir. & amt. cyl. offset		None	
	No. bolts/main brg. cap		2	2 (with block provisions to modify for 4)
Crankpin journal diameter			2.0934 - 2.0955	2.0934 - 2.0955 (2.2471 - 2.2492 in 401)
ENGINE – CAMSHAFT				
Location			Right Side	Center Between Cylinder Banks
Material			Special Cast-Iron Alloy	
Bearings	Material		Steel-Backed, Micro-Babbitt Alloy, SAE-15 (Clevite or Fed. Mogul)	
	Number		Four	Five
Type of Drive	Gear or chain		Chain	
	Crankshaft gear or sprocket material		Sintered Iron	SAE 1117 Steel (Sintered Iron, Opt.)
	Camshaft gear or sprocket material		Die-Cast Aluminum with Molded Nylon Teeth	
	Timing chain	No. of links	48	62
		Width	.69	.875
		Pitch	.50	.375

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MODEL	Availability on Page 4		232 & 258 CID SIXES	304 CID V-8	360 CID V-8	401 CID V-8	ALL V-8's
ENGINE – VALVE SYSTEM							Dealer Hi-Perf. Cam Kit
Hydraulic lifters (Std., opt., NA)			Yes				
Valve rotator, type (intake, exhaust)			Yes, Free Valve Type				
Rocker ratio			1.5			1.6	
Operating tappet clearance (indicate hot or cold)	Intake		Zero Lash				
	Exhaust		Zero Lash				
Timing (based on top of ramp points)	Intake	Opens (°BTC)	12.50°	14.74°		25.57°	46°
		Closes (°ABC)	66.50°	68.75°		90.75°	76°
		Duration - deg.	259.00°	263.49°		296.32°	302°
	Exhaust	Opens (°BBC)	53.50°	56.77°		80.80°	70°
		Closes (°ATC)	55.50°	56.75°		42.75°	52°
		Duration - deg.	289.00°	293.52°		303.55°	302°
	Valve opening overlap		68.00°	71.49°		68.32°	98°
Intake	Material		Silichrome #1 or XB				
	Overall length		4.899				
	Actual overall head dia.		1.787	1.787	2.025	2.025	
	Angle of seat & face		Head 30°, Valve 29°				
	Seat insert material		None				
	Stem diameter		.3715 - .3725				
	Stem to guide clearance		.0010 - .0030				
	Lift (@ zero lash) (A)		.381	.425		.457	.477
	Outer spring press. & length	Valve closed (lb. @ in.)	95 to 105 @1.812	90 to 98 @ 1.812			95 to 103 @1.812
		Valve open (lb. @ in.)	188 to 202 @1.437	183 to 195 @ 1.365			240 to 260 @1.329
	Inner spring press. & length	Valve closed (lb. @ in.)	None				- - -
		Valve open (lb. @ in.)	None				TOTAL 265 to 285 @1.329
Exhaust	Material		SAE 21-4N				
	Overall length		4.892	4.892	4.910	4.910	
	Actual overall head dia.		1.406	1.406	1.680	1.680	
	Angle of seat & face		Head 45°, Valve 44°				
	Seat insert material		None				
	Stem diameter		.3718 - .3725	.3715 - .3725			
	Stem to guide clearance		.0010 - .0027	.0010 - .0030			
	Lift (@ zero lash) (A)		.381	.425		.457	.477
	Outer spring press. & length	Valve closed (lb. @ in.)	95 to 105 @1.812	90 to 98 @ 1.812			95 to 103 @1.812
		Valve open (lb. @ in.)	188 to 202 @1.437	183 to 195 @ 1.365			240 to 260 @1.329
	Inner spring press. & length	Valve closed (lb. @ in.)	None				- - -
		Valve open (lb. @ in.)	None				TOTAL 265 to 285 @1.329

(A) Valve Lift Shown = Cam Lift x Rocker Arm Ratio (1.6 for V-8's, 1.5 for 6's)

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MODEL	Availability on Page 4	232 & 258 CID SIXES	304, 360 & 401 CID V-8's
ENGINE – LUBRICATION SYSTEM			
Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Splash	
	Camshaft bearings	Pressure	
	Tappets	Pressure	
	Timing gear or chain	Pressure Jet	
	Cylinder walls	Oil Groove in Mating Surface Between Conn. Rod and Cap	
Oil pump type		Gear	
Normal oil pressure (lb. @ engine rpm)		13#min.@600rpm,21min.@1100,46min.@2050&over(75#max.@all rpm)	
Oil press. sending unit (elect. or mech.)		Electric	
Type oil intake (floating, stationary)		Stationary	
Oil filter system (full flow, part., other)		Full-Flow, Standard	
Filter replacement (element, complete)		Complete	
Capacity of c/case, less filter-refill (qt.)		4 (5 with Filter)	
Oil grade recommended (SAE viscosity and temperature range)		Above 32°F. . . SAE 20W-20 (or SAE 10W-30 or 10W-40) Above 0°F. . . SAE 10W (or SAE 10W-30 or 10W-40) Below 0°F. . . SAE 10W (or SAE 5W-20 or 5W-30)	
Engine Service Reqmt. (MM, MS, etc.)		GREMLIN & "MS" or "SD"	

ENGINE – EXHAUST SYSTEM		HORNET 6	HORNET V-8	MATADOR & AMB. 6	MATADOR & AMB. V-8	JAVELIN 6	JAVELIN V-8
Type (single, single with cross-over, dual, other)		Single	S.w/Y-Pipe or Dual	Single	S.w/Y-Pipe or Dual	Single	S.w/Y-Pipe or Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)		One, Reverse Flow	One, Rev. Flo or Two	One, Reverse Flow	One, Rev. Flo or Two	One, Reverse Flow	One,Rev Flo or Two
Exhaust pipe dia. (O.D., wall thick.)	Front	1.88x.083	2.00x.083	1.88x.083	2.00x.083	1.88x.083	2.00x.083
	Rear	1.88x.075	2.25x.083	1.88x.075	2.25x.083	1.88x.075	2.25x.083
Tail pipe dia. (O.D. & wall thickness)		1.75x.048	2.00x.048 (1)	1.75x.048 (2)	2.00x.060 (3)	1.75x.060	2.00x.060 (4)

(1) Dual Exhausts Opt. With SC/360 4-B. V-8. Rear Exhaust Pipe, 2.00x.083
(2) Matador-6 Wagon - - Tailpipe, 1.75x.060
(3) Dual Exhausts Opt. With 360 4-B V-8
Dual Exhausts Std. With 401 4-B V-8 Front Exhaust Pipe, 2.25x.083
(4) Javelin; Dual Exhausts Opt. With 360 4-B V-8
Javelin; Dual Exhausts Std. With 401 4-B V-8 Tailpipe, 2.00x.048

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MODEL	Availability on Page 4	232 & 258 CID SIXES	304, 360 & 401 CID V-8's

ENGINE – FUEL SYSTEM

(See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.			Gremlin 21 gals. Carburetor (Downdraft)	
Fuel Tank	Refill capacity (U.S. gals.)		Hornet & Jav. 16; Matador 19.5 (3-seat wag 17); Amb. 19.5	
	Filler location		(1)	Amb. Wag. 17
Fuel Pump	Type (elec. or mech.)		Mechanical	
	Locations		Right Side, Center	Left Side, Front
	Pressure range		4 to 5.5 P.S.I.	
Vacuum booster (std., optional, none)			Standard (less booster with opt. electric wipers)	
Fuel Filter	Type		A. Saran Plastic Spool. B. 15 Micron Paper Element	
	Locations		A. Gas Tank Pick-Up Tube B. Carburetor Inlet Side	
Carburetor	Choke type		Automatic	
	Intake manifold heat control (exhaust or water)		Exhaust	
	Air cleaner type	Standard	Cellulose Fiber Element	
		Optional	None	
	Idle speed (spec. neutral or drive)	Manual	700 RPM	750 RPM
		Automatic	600 RPM	650 RPM
		Idle A/F mix.	14.0:1 ± .2	14.0:1 ± .2 (V-8 Man. Trans., 13.0:1)

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
232 CID SIX 135 HP, HORNET & GREM.	232	Manual Automatic	Carter YF Carter YF	6093S 6094S	1, 1-BBL. 1, 1-BBL.	1.69 1.69
232 CID SIX 135 HP, JAVELIN & MAT.	232	Manual Automatic	Carter YF Carter YF	6095S 6096S	1, 1-BBL. 1, 1-BBL.	1.69 1.69
258 CID SIX 150 HP	258	Manual Automatic	Carter YF Carter YF	6095S 6038S	1, 1-BBL. 1, 1-BBL.	1.69 1.69
304 CID V-8 210 HP	304	Manual Automatic	AM(FAL)2100D AM(FAL)2100D	1DM2 1DA2	1, 2-BBL. 1, 2-BBL.	1.56 1.56
360 CID V-8 245 HP	360	Manual Automatic	AM(FAL)2100D AM(FAL)2100D	1DM2 1RA2	1, 2-BBL. 1, 2-BBL.	1.56 1.69 (2)
360 CID V-8 285 HP	360	Manual Automatic	AM(FAL)4300 AM(FAL)4300	1TM4 1TA4 (3)	1, 4-BBL. 1, 4-BBL.	1.56 pri. 1.69 sec.
401 CID V-8 330 HP	401	Manual Automatic	AM(FAL)4300 AM(FAL)4300	1TM4 1TA4	1, 4-BBL. 1, 4-BBL.	1.56 pri. 1.69 sec.

(1) Hornet & Gremlin: Center Rear Panel.
Matador & Ambassador: Left Rear Fender
Javelin: Center Rear Bumper

(2) Change to 1.56, about Nov. 1970.

(3) Change to 1RA4, about Nov. 1970.

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MODEL Availability on Page 4

ENGINE – COOLING SYSTEM

		232 & 258 CID SIXES	304, 360 & 401 CID V-8's
Type system (pressure, pressure vented, atmospheric, other)		Pressure	
Radiator cap relief valve pressure		14 P.S.I.	
Circulation thermostat	Type (choke, bypass)	Choke	
	Starts to open at (°F)	205 (202 to 209)	195 (192 to 199)
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM @ 1000 pump rpm	55 GPM @ 4400 RPM	
	Number of pumps	One	
	Drive (V-belt, other)	V-Belt	
	Bearing type	Double Row Ball	
By-pass recirculation type (inter., ext.)		Internal	External
Radiator core type (cellular, tube and fin, other)		Tube & Fin	
Cooling system capacity	With heater (qt.)	10.5	304;14 (360 & 401;13)
	Without heater (qt.)	9.5	304;13 (360 & 401;12)
	Opt. equipment-specify (qt.)	Same	
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, Curved	
	Inside diameter	1.50 Body & Rad. End 1.78 Water Pump End	1.50 Body & Rad. End 1.70 Water Pump End
Radiator hose — Upper	Number and type (molded, straight)	One, Molded, Curved	
	Inside diameter	1.50 Body & Rad. End 1.75 Thermostat End	1.50 Both Ends
Radiator hose — By-pass	Number and type (molded, straight)	None	One, Molded, Curved
	Inside diameter	- - -	.75
Fan	Number of blades & spacing	4 Std. (5 AC & HD)	6 Std. (7 AC & HD)
	Diameter	15.62 (17.25 AC & HD)	17 (18.38 AC & HD)
	Ratio-fan to crankshaft rev.	1.20:1	1.06:1
	Fan cutout type	Power-Flex Fan (Std. with AC, Opt. HD)	
	Bearing type	Ball (All Engines)	
*Drive belts (indicate belt used by letter)	Fan	A	F
	[redacted] alternator	A	F
	Water Pump	A	F
	Power Steering	B	G
	Air Conditioning with PS	C & D	F & H
	" " less PS	D & E	F & I

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	38°	38°	38°	38°	38°	38°	38°	38°	38°		
Nominal length (SAE)	36.00	45.28	45.50	35.75	43.75	43.00	50.50	62.50	61.45		
Width	3/8	17/32	1/2	1/2	1/2	3/8	1/2	1/2	1/2		

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MODEL	Availability on Page 4	ALL 6's & V-8's WITH AUTO. TRANS.	V-8's EQUIPPED WITH MANUAL TRANSMISSION
VEHICLE EMISSION CONTROL			
Exhaust Emission Control	Type (Air injection, engine modifications, other)	"Engine-Mod" System	Air Injection ("Air-Guard")
	Air Injection Pump — Type	- - -	Eccentric Vane (Saginaw Gear)
	Air Injection Pump — Displacement	- - -	19.3 cu.in./rev.
	Air Injection Pump — Drive ratio	- - -	1.25:1
	Air Injection Pump — Drive type	- - -	Belt
	Air Injection Pump — Relief valve (type)	- - -	Integral
	Air Injection Pump — Filter (describe)	- - -	Centrifugal Separator
	Air Injection System — Air distribution (head, manifold, etc.)	- - -	Separate Header Manifold
	Air Injection System — Point of entry	- - -	Thru Exhaust Port
	Air Injection System — Injection tube i.d.	- - -	.285
	Air Injection System — Check valve type	- - -	Spring-Loaded Plunger & Asbestos Seat
	Air Injection System — Backfire protection (type)	- - -	Diverter Type (Rochester)
Crankcase Emission Control	Type (ventilates to atmos., induction system, other) — Standard	Closed Induction System	
	Type (ventilates to atmos., induction system, other) — Optional	- - -	
	Control Unit — Make and model	"Stanadyne"	
	Control Unit — Location	6=Valve Cover; V-8=Intake Manifold	
	Control Unit — Energy source (manifold vacuum, carburetor, other)	Manifold Vacuum	
	Control Unit — Control method (variable orifice, fixed orifice, other)	Variable Orifice	
	Complete system — Discharges (to intake manifold, other)	Intake Manifold (Carb. Base or Carb. Spacer Plate)	
	Complete system — Air inlet (breather cap, other)	Carb. Air Cleaner - Dirty Side	
	Complete system — Flame arrestor (screen, other)	No Specific Part (System Arrests Flame)	
Evaporative Emission Control	Fuel Tank — Refill Capacity (U.S. gallons)	Gremlin 21. Hornet & Javelin 16. Amb. 19.5(Wagon 17). Matador 19.5 (3-Seat Wagon 17).	
	Fuel Tank — Thermal expansion volume (cu. ft.)	2 Gallons, Min. (.321 Cu. Ft.)	
	Fuel Tank — Pressure relief location (lbs.)	Filler Cap, ½ to 1 PSI	
	Fuel Tank — Vacuum relief location (lbs.)	Filler Cap, ¼ to ½ PSI	
	Fuel Tank — Vapor-liquid separator type	Float (none for Gremlin)	
	Fuel Tank — Vapor vented to (crankcase, cannister, other)	V-8 Manual Trans. & All 6's: Crankcase	
		V-8 Automatic Transmission: Charcoal Canister	
	Carburetor — Vapor vented to (crankcase, cannister, other)	No External Carburetor Venting	
		- - -	
	Vapor Storage — Storage provision (crankcase, cannister, other)	V-8 Manual Trans. & All 6's: Crankcase	
		V-8 Automatic Transmission: Charcoal Canister	
	Vapor Storage — Volume (cu. ft.) or capacity (grams)	650 Grams Charcoal (V-8 Auto. Trans.)	
	Vapor Storage — Control valve type	Fixed Orifice; .040" Dia.	

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MODEL	Availability on Page 4	232 & 258 CID SIXES & 304 CID V-8	360 & 401 CID V-8's
ELECTRICAL – SUPPLY SYSTEM			
Battery	Make and Model	Globe-Union 2SM-50 (1)	Globe-Union 2SM-60 (1)
	Voltage Rtg. & Total Plates	12 Volts, 54 Plates (1)	12 Volts, 66 Plates (1)
	SAE Designation & Amp. Hr. Rtg.	2SM-50 A.H.@20 HRS. (1)	2SM-60 A.H.@20 HRS. (1)
	Location	Engine Compartment, Forward	
		232 & 258 CID SIXES	304, 360 & 401 CID V-8's
	Terminal grounded	Negative	
Alternator	Make	Motorola	
	Model (2)	70D44186C01 (CO2 in Mat.)	70D44187C01 (CO2 in Mat.)
	Type and rating	Alternator with Silicon Diodes & Isolation Diode (35 & 55 Amp.)	
	Output at engine idle (neutral)	N.A.	
	Ratio–Gen. to Cr/s rev.	2.41:1	
Regulator	Make	Motorola	
	Model	8RB2005	
	Type	Solid State	
	Cutout relay – Closing voltage generator rpm	- - -	
	Cutout relay – Reverse current to open	- - -	
	Regulated – Voltage	13.8 to 14.2 Volts @ 80°F (Ambient Temp.)	
	Regulated – Current	- - -	
	Voltage test conditions – Temperature	80°F	
	Voltage test conditions – Load	10 AMPS @ 3000 RPM (Alternator Speed)	
	Voltage test conditions – Other	- - -	

ELECTRICAL – STARTING SYSTEM				232 & 258 CID SIXES	304, 360 & 401 CID V-8's
Starting Motor	Make			FOMOCO	
	Model			C9FF-11001-A or D0FF-11001-C	D0FF-11001-B
	Rotation (drive end view)			Clockwise	
Motor control	Switch (solenoid, manual)			Solenoid	
	Starting procedure			Turn ignition key to extreme clockwise position. Automatic transmission lever must be in neutral or park position.	
Motor Drive	Engagement type			Solenoid Actuated	
	Pinion meshes (front, rear)			Front	
	Number of teeth	Pinion		9	
		Flywheel	Manual	153	164
			Auto.	153	164
	Flywheel tooth face width		Manual	.43	
			Auto.	.38	

(1) Opt. Heavy Duty: Globe-Union 2SH-70, 12 V, 66 Plates, 70 A.H. @ 20 Hrs.
All Batteries are identified: "American Motors Clear-Power".

(2) Opt. 55 Amp., 6-Cylinder = 70D44188C01, V-8 = 70D44189C01.
(Std. with Air Cond. or Rear Window Defogger)

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Availability MODEL on Page 4	232 & 258 CID SIXES	304 & 360 CID 2-B. CARB. V-8's	360 & 401 CID 4-B. CARB. V-8's
ELECTRICAL – IGNITION SYSTEM – DISTRIBUTOR			
Breaker gap (in.)	.016		
Cam angle (deg.)	31 to 34	29 to 31	
Breaker arm tension (oz.)	17 to 21		
Distributor Manufacturer: Delco Remy — Manual	1110340 (Vacuum Unit, 1116207)	1112028 (Vacuum Unit, 1115362)	1111948 (Vacuum Unit, 1115362)
Distributor Manufacturer: Delco Remy — Automatic	(same as above)		
Timing — Manual	232 = 3°BTDC 258 = 5°BTDC	2.5° BTDC	
Timing — Automatic	5°BTDC	2.5° BTDC	

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at In. of Mercury	
Delco Remy	Start	Intermediate	Max.	Start	Max.
1110340	0° to 2° @ 650 to 950 RPM	14° to 18° @ 1900 RPM	24° to 28° @ 4400 RPM	0° @ 5" to 7"	19.5° to 25° @ 16.3"
1112028	0° to 2.5° @ 700 to 900 RPM	11° to 13° @ 1500 RPM	29° to 31° @ 4600 RPM	0° @ 4" to 6"	22.5° to 25.5° @ 18" to 19.2"
1111948	0° to 2.5° @ 700 to 900 RPM	16° to 21° @ 1575 RPM	28° to 32° @ 4400 RPM	0° @ 4" to 6"	22.5° to 25.5° @ 18" to 19.2"

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MODEL	Availability on Page 4	232 & 258 CID SIXES	304, 360 & 401 CID V-8's
ELECTRICAL – IGNITION SYSTEM			
Type	Conventional – Std., Opt., N.A.	Standard	(Dealer Kit)
	Transistorized – Std., Opt., N.A.	N.A.	"Delcotronic" Capacitor Discharge
	Other (specify)	N.A.	"Mallory" High-Perf.(Dealer Kit)
Coil	Make	Delco-Remy or Prestolite	
	Model	DR:1115294 (PL:201691)	D-R:1115266 (PL:201632)
	Amps – Engine stopped	3.5	
	Amps – Engine idling	1.6	
Spark Plug	Make	Champion	
	Model	N-12Y	
	Thread (mm)	14	
	Tightening torque (lb. ft.)	25 to 30	
	Gap	.033 to .037	
Cable	Conductor type	Carbon Core Wire	
	Insulation type	Neoprene	
	Spark plug protector	Hypalon	
ELECTRICAL – SUPPRESSION			
Locations & type		Carbon Core Ignition Wires	
ELECTRICAL – INSTRUMENTS AND EQUIPMENT			
Speedometer	Type	King-Seeley (Stewart-Warner for Hornet & Gremlin)	
	Trip odometer (std. opt., N.A.)	N.A.	
Charge indicator – type		Warning Light	Warning Light(Ammeter Gauge Opt. Jav.V-8)
Temperature indicator – type		Electrical Gauge	
Oil pressure indicator – type		Warning Light	Warning Light(Pressure Gauge Opt. Jav.V-8)
Fuel indicator – type		Electrical Gauge (plus Opt. Low-Fuel-Warning Light)	
Windshield wiper	Type – Standard	Vacuum, Variable-Speed	
	Type – Optional	Electric, Variable-Speed, Hornet & Gremlin(3-Speed Jav., Mat. & Amb.)	
Windshield washer	Type – Standard	Manual Pump (Panel Switch)	
	Type – Optional	Electric Powered Pump (Panel Switch)	
Horn	Type	Vibrator	
	Number used	2(1 for all Hornets & Gremlins, 2nd. Horn Dealer Accessory)	
	Amp draw (each)	8.5	
Other		Dual Hydraulic Brake System Warning Light and Parking Brake Warning Light combined	

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MODEL — Availability on Page 4		232 CID SIX Hornet Gremlin Javelin	258 CID SIX Hornet Gremlin Matador	258 CID SIX Ambassador (plus Fleet & Export for 232 & 258 in other models)	304 CID V8 Javelin	360 & 401 V8 Hornet Javelin Matador
DRIVE UNITS – CLUTCH (Manual Transmission)						
Make & type Dry Plate		Dana #100859	Dana #100859	Borg & Beck #106-10001	Borg & Beck #SK-40641	Borg & Beck #1828
Type pressure plate springs		3 Coils	3 Coils	9 Coils	9 Coils	12 Coils & 6 Rollers
Total spring load (lb.)		1500-1600	1500-1600	1644 Nom.	2028 Nom.	2386 Nom. (2212-2560)
No. of clutch driven discs One		Dana 100900-1	Dana X100900-2	B&B 102-10002	B&B SK-40642	B&B X102-10217
Clutch facing	Material	Woven Asbestos				
	Outside & inside dia.	6.00 x 9.25	6.00 x 9.25	6.75 x 10.00	6.50 x 10.00	6.50 x 11.00
	Total eff. area (sq.in.)	77.96	77.96	85.52	90.72	123.70
	Thickness	.125 F & R	.125 F & R	.125 F, .135 R	.125 F & R	.135 F, .145 R
	Engagement cushioning method	Flat Spring Steel Between Facings				
Release bearing	Type & method of lubrication	Ball Bearing, Permanently Lubricated				
Torsional damping	Methods: springs, friction material	Coil Springs				

DRIVE UNITS – TRANSMISSIONS	232 & 258 CID SIXES	304, 360 & 401 CID V-8's
Manual 3-speed (std., opt. N.A.)	Std. (Opt. for Amb. Fleet Sales)	(Std. for 360 V-8, Hornet & Javelin (Std. for 304 V-8, Javelin only
Manual 4-speed (std., opt. N.A.)	N.A.	Opt. for 360-4B & 401 (see page 4)
Automatic (std., opt. N.A.)	Opt. (Std. for Ambassador)	Opt. (Std. for 304 V-8 Ambassador)

DRIVE UNITS – MANUAL TRANS.		232 SIX (Hornet & Gremlin)	304 V-8 (JAVELIN) 232 & 258 SIX (Hornet, Gremlin, Javelin & Matador)	360 V-8 (Javelin & Hornet)	360 V-8 401 V-8 (Javelin, Hornet & Matador)
Warner-Gear Mfg. No.		T-96J	T-14	T-15	T-10
Number of forward speeds		3	3	3	4
Transmission ratios	In first	2.605	2.636	2.548	2.23
	In second	1.630	1.605	1.558	1.77
	In third	1.000	1.000	1.000	1.35
	In fourth	- - -	- - -	- - -	1.00
	In reverse	3.536	2.636	2.548	2.16
Synchronous meshing, specify gears		2 & 3	1, 2 & 3	1, 2 & 3	1,2,3 & 4
Shift lever location		Column (or Floor in Gremlin)	Floor (Column in Matador)	Floor	Floor
Lubricant	Capacity (pt.)	1.5	2.5	3.0	2.5
	Type recommended	Mineral Gear Lubricant			
	SAE viscosity number — Summer	80			
	SAE viscosity number — Winter	80			
	SAE viscosity number — Extreme cold	80			

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MODEL	Availability on Page 4	232 & 258 CID SIXES	304, 360 & 401 CID V-8's

DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name		Shift-Command				
Type describe		Borg & Beck/Long Torque Converter with Planetary Gears				
Selector location		Column		Column (or Console for V-8 Hardtops)		
List gear ratios Selector Pattern and indicate which are used in each selector position		Operation	6&V-8 Col.	V-8 Con.	6 & 304 V-8	360 & 401 V-8
		Park	P	PRK	- - -	- - -
		Reverse	R	REV	2.09:1	2.00:1
		Neutral	N	NTL	- - -	- - -
		1,2&3 Gears	D	DRV	1.00:1	1.00:1
		2 Gear	2	2ND	1.45:1	1.47:1
		1 Gear	1	1ST	2.39:1	2.40:1
Max. upshift speed–drive range		55 to 72 mph (65-87 Hornet & Gremlin 232			60 to 75 mph	
Max. kickdown speed–drive range		50 to 65 mph (50-70 Hornet & Gremlin 232			55 to 70 mph	
Torque convertor	Number of elements	Three				
	Max. ratio at stall	2.00				
	Type of cooling (air, liquid)	(1)			Air & Water (Auxiliary Cooler, Opt.)	
	Nominal diameter	11"			304=11". 360 & 401= 12"	
Lubricant	Capacity–refill Qts. Dry	9.5			304=9.5. 360 & 401= 10	
	Type recommended	"DEXRON" Auto. Trans. Fluid (Type A, AQ-ATF, Suffix "A")				
Special transmission features		Vacuum-Modulated Control Between Trans. & Engine Electric "Kick-Down" Solenoid System				

DRIVE UNITS – PROPELLER SHAFT

		HORNET		GREMLIN	MATADOR	AMBASSADOR	JAVELIN	
		SIX	V-8	SIX	SIX & V-8	SIX & V-8	SIX	V-8
Number used		One						
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Straight Tube (with tube-in-tube ends)						
Outer diam. x length* x wall thickness	Manual 3-speed trans.	52.500 2.500 .065	46.680 2.500 .083	40.720 2.500 .065	58.900 3.000 .083 (SIX)	58.900 3.000 .083 (SIX)	52.500 2.500 .065	51.220 2.500 (4).083
	Manual 4-speed trans.	- - -	49.780 2.500 .083	- - -	58.900 3.250 .065 (V-8)	- - -	- - -	51.220 2.500 .083
	Overdrive transmission	- - -	- - -	- - -	- - -	- - -	- - -	- - -
	Automatic transmission	47.940 2.500 .065	46.680 2.500 (2).083	36.150 2.500 .065	55.940 2.750 (3).083	55.940 2.750 (3).083	47.940 2.500 .065	47.940 2.500 (5).065

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

(Continued)

(1) 258 Six for Matador & Ambassador . . . . . Nation Wide; Air & Water
232 Six for Matador & Ambassador . . . . . Cal. Only; Air & Water (Water Opt. for other States)
All Sixes for Javelin, Hornet & Gremlin. . . Cal. Only: Air & Water (Water Opt. for other States)

(2) Figures shown are for 304 V-8. For 360 V-8, 49.780 x 2.500 x .083

(3) Figures shown are for 304 V-8. For 360 & 401 V-8, 58.900 x 3.250 x .065

(4) Figures shown are for 304 V-8. For 360 V-8, 47.940 x 2.500 x .065

(5) Figures shown are for 304 V-8. For 360 & 401 V-8, 51.220 x 2.500 x .083

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MODEL			GREMLIN, HORNET & JAVELIN		MATADOR & AMBASSADOR
DRIVE UNITS – PROPELLER SHAFT (cont.)					
Intermediate bearing	Type (plain, anti-friction)		None		
	Lubrication (fitting, prepack)		- - -		
Slip Yoke	Type		Involute		
	Number of teeth		Six & 304 V-8: 16	360 V-8: 28	401 V-8: 16 Auto. (28 4-Speed)
	Spline O.D.		Six & 304 V-8: 1.170	360 V-8: 1.207	401 V-8: 1.375 Auto. Trans. 1.207 4-Speed Trans.
Universal joints	Make and Mfg. No.		Six & 304 V-8: #1280	360 V-8: #1280	401 V-8: #1310 Auto. & 4-Speed
	Number used		DANA		
	Type (ball and trunnion, cross)		Two		
	Rear attach. (u-bolt, clamp, etc.)		Single-Pivot, Cross		
	Bearing	Type (plain, anti-friction)	U-Bolt		
		Lubric. (fitting, prepack)	Anti-Friction		
Drive taken through (torque tube or arms, springs)			Prepack		
			Rear Springs		4-Link Trailing Arms
Torque taken through (torque tube or arms, springs)			Rear Springs		4-Link Trailing Arms
DRIVE UNITS – AXLE					
Type (front, rear)			Front		
Description			1 Piece Housing with Inserted Tubes. Live Axle (Conventional)		
Limited Slip differential, type			"Twin-Grip" Opt., Dana (Warner Gear, Hornet-6, Gremlin-6 & Javelin-6) (1)		
Drive Pinion Offset			1-1/2		
No. of differential pinions			Two (Four with V-8 Twin-Grip)		Two (Four with Twin-Grip)
Pinion adjustment (shim, other)			Shim		
Pinion bearing adj. (shim, other)			Shim		
Wheel bearing type			Conic & Roller		
Lubricant	Capacity (pt.)		3 for Six, 4 for V-8		4
	Type recommended		Hypoid, or Multi-Purpose Gear Lube, API, GL-5 (2)		
	SAE viscosity number	Summer	80		
		Winter	80		
		Extreme cold	80		

AXLE RATIO TOOTH COMBINATIONS

(See page 4 for axle ratio usage)

Axle ratio		Factory Installed								Both	Dealer Kits			
		2.37	2.73	2.87	3.08	3.15	3.31	3.54	3.58	3.91	3.73	4.10	4.44	5.00
No. of teeth	Pinion	19	15	15	13	13	13	11	12	11	11	10	9	9
	Ring gear	45	41	43	40	41	43	39	43	43	41	41	40	45
Ring Gear O.D.		7.56	7.55	8.88	7.55	8.88	7.63	8.88	7.54	8.92	8.91	8.91	8.91	8.90

(1) Positive-Locking Type available as Dealer Kit ("Detroit Locker" by Det. Auto. Products).
(2) Special lube for opt. "Twin-Grip" differential (API, GL-5 Quality).

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MODEL	HORNET		GREMLIN	MATADOR		AMBASSADOR			JAVELIN		
	SIX	V-8	SIX	SIX & V-8		258 & 304	360 & 401	V-8	V-8	SIX	V-8
DRIVE UNITS – WHEELS	Sedan	Sedan	All	Sedan & Hardtop	Wagon	Sedan & Hardtop	Sedan & Hardtop	Wagon	AMX	Base & SST	Base & SST
Type & material		Six & V-8	Pressed Steel Disc & Safety Rim								
Rim (size & flange type) Std.		Wagon	See "TIRES" Below								
Rim (size & flange type) Opt.	See "TIRES" Below										
Attachment: Type (bolt or stud)	Stud										
Attachment: Circle diameter	4.50										
Attachment: Number and size	FIVE, 1/2 x 20, 3/4 HEX										
MODEL											
DRIVE UNITS – TIRES (1)											
Standard: Size, ply rating, & ply Rim Size	6.45x14 4½J	6.95x14 4½J	6.00x13 4½J	E78x14 5½J	G78x14 6JK	E78x14 5½J	F78x14 5½JK	H78x14 6JK	E70x14 6JK	C78x14 5J	D78x14 5J(2)
Standard: Type (bias, radial, etc.)	Bias, 4-Ply Rating, 2-Ply Polyester plus 2-Ply Fiberglass-Belted Tread (6.00, 6.45&6.95 less Belt) (5)										
Standard: Full rated Inflation Press. Front	28		28	24 (28 V-8)	20	26	26	20	26	26	
Standard: Full rated Inflation Press. Rear	28		28	28	28	28	28	28	26	26	
Standard: Rev./Mile at 50 MPH (3)	835	815	875	798	764	798	784	749	813	812	811
Optional: See "Type" Above	6.95x14 4½J (4)	C78x14 5J (2)	6.45x14 4½J (4)	F78x14 5½JK	H78x14 6JK	F78x14 5½JK	G78x14 6JK	- - -	E60x15 7JJ	D78x14 5J	E78x14 5½JK
Optional: Size, ply rating, & ply Rim Size (plus special fleet options on certain models)	B78x14 4½J	D78x14 5J (2)	B78x14 4½J	E60x15 7JJ (V-8)	- - -	G78x14 6JK	- - -	- - -	- - -	E78x14 5½J	E70x14 6JK
Optional: Size, ply rating, & ply Rim Size (plus special fleet options on certain models)	C78x14 5J	D70x14 6JK (Std.)	D70x14 6JK (Std)	- - -	- - -	- - -	- - -	- - -	- - -	E70x14 6JK	E60x15 7JJ
BRAKES – PARKING	D78x14 5J	on SC/360	on Gremlin X								
Type of control	D70x14	Foot Pedal, Hand Release									
Location of control	6JK	Left Side, Under Instrument Panel									
Operates on	Rear Service Brakes										
If separate from service brakes: Type (internal or external)	- - -										
If separate from service brakes: Drum diameter	- - -										
If separate from service brakes: Lining size (length x width x thickness)	- - -										

(1) "Space-Saver" Spare Tire (Goodrich) Standard on Javelin AMX, Hornet SC/360, Hornet Wagon, & Gremlin X. Optional on Gremlin & Javelin (Base & SST), & included with set of 4 Styled-Steel Wheels.
(2) C78 & D78 use 5½JK Rim Wheels with Disc Brake Option.
(3) B78x14 = 838 Rev./Mile. D70x14 = 819. E60x15 = 807.
(4) Included with Air Conditioning.
(5) E78x14 is Rayon-Belted.

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MODEL	Gremlin 6 Hornet 6 Javelin 6	Hornet V8 Javelin V8 Mat & Amb Sed & HT 6	Mat Sed & HT 360 & 401 V8 Amb Sed & HT All V8's	Matador Wagon 6 & V8 Ambassador Wagon 6 & V8	Hornet V8 Javelin V8	Matador V8 Ambassador V8
BRAKES – SERVICE		Mat Sed & HT 304 V8			Opt., with Power Assist (also Manual for Javelin)	Optional, with Power Assist Only
Type (drum) or (disc & no. of pistons)	Drum, Front & Rear	Drum, Front & Rear	Drum, Front & Rear	Drum, Front & Rear	Disc (Drum Rear)	Disc (Drum Rear)
Self adjusting (std., opt., N.A.)	Standard	Standard	Standard	Standard	Standard	Standard
Special Valving — Type (proportion, delay, metering, other)	None	None	None	None	Proportion Valve	Proportion Valve
Power brake make & type (remote, int., etc.) — Std.	- - -	- - -	- - -	- - -	1-Diaph., 7.75 D. Hornet	- - -
Power brake make & type (remote, int., etc.) — Opt. Bendix	1-Diaphragm, 7.75 D.	1-Diaphragm, 7.75 D.	1-Diaphragm, 9.50 D.	1-Diaphragm, 9.50 D.	2-Diaph., 7.75 D. Javelin	2-Diaphragm, 7.75 D.
Effective area (sq. in.) *	153.49	167.54	167.54	196.55	108.89(41.20 F, 67.69 R)	137.90(41.20F, 96.70 R)
Gross lining area (sq. in.) **	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Swept area (sq. in.) ***	254.47	267.04	267.04	314.16	328.20(218.24F, 109.96R)	375.32(218.24F, 157.08R)
Front to Rear Effectiveness Relationship — Front	62.2%	64.6%(57.3 Mat & Amb)	61.6%	57.3% (61.6% V8)	60% Variable	60% Variable
Front to Rear Effectiveness Relationship — Rear	37.8%	35.4%(42.7 Mat & Amb)	38.4%	42.7% (38.4% V8)	40% Variable	40% Variable
Drum — Diameter (nominal) — Front	9.00	10.00	10.00	10.00	10.97	10.97
Drum — Diameter (nominal) — Rear	9.00	10.00	10.00	10.00	10.00	10.00
Drum — Type and material	Cast Iron Plain Drum, Steel Center	Cast Iron Drum, Steel Flare & Center	Cast Iron Ribbed Drum, Steel Flare & Center	Cast Iron Ribbed Drum, Steel Flare & Center	Cast Iron Drum, Steel Flare & Center	Cast Iron Ribbed Drum, Steel Flare & Center
Rotor — Outer working diameter	- - -	- - -	- - -	- - -	10.91 (min.)	10.91 (min.)
Rotor — Inner working diameter	- - -	- - -	- - -	- - -	7.04 (max.)	7.04 (max.)
Rotor — Working width	- - -	- - -	- - -	- - -	1.00	1.00
Rotor — Material & type (vented/solid)	- - -	- - -	- - -	- - -	Cast Iron, Vented	Cast Iron, Vented
Wheel cylinder bore — Front	1.13	1.19(1.09 Mat & Amb 6)	1.19	1.09 (1.19 V8)	2.75	2.75
Wheel cylinder bore — Rear	.88	.88(.94 Mat & Amb)	.94	.94	.94	.94 (1.00 Wagons)
Master Cylinder — Bore	1.00 Manual & Power	1.00 Manual & Power	1.00 Manual & Power	1.00 Manual & Power	1.063 Manual, 1.000 Power	1.125 Power
Master Cylinder — Stroke	1.212 (1.102 Power)	1.112 (1.102 Power)	1.112 (1.102 Power)	1.112 (1.102 Power)	1.183 Manual, 1.102 Power	1.102 Power
Pedal arc ratio	6.59 Man., 7.32 Power	6.59 Man., 7.32 Power	6.59 Manual, 7.32 Power	6.59 Manual, 7.32 Power	6.59 Manual, 7.32 Power	7.32 Power
Line pressure at 100 lb. pedal load	730 Man., 800 Power	730 Manual, 800 Power	730 Manual, 980 Power	730 Manual, 980 Power	(1)	1030 Power
Shoe Clearance — Front	.004 to .010 @ High Point on Horizontal Axis				0, Static Condition	0, Static Condition
Shoe Clearance — Rear	.004 to .010 @ High Point on Horizontal Axis					
Anti-skid device type (std., opt., N.A.)	Not Offered	Not Offered	Not Offered	Not Offered	Not Offered	Not Offered
Brake lining — Bonded or riveted	Bonded (Riveted 10-1-70)	Riveted	Riveted	Riveted	Bonded	Bonded
Brake lining — Front Wheel — Material	Molded Asbestos	Molded Asbestos	Molded Asbestos	Molded Asbestos	Molded Asbestos Puck	Molded Asbestos Puck
Brake lining — Front Wheel — Size (length x width x thickness) — Prim. or outboard	7.66 x 2.25 x .19	8.91 x 2.50 x .19	8.91 x 2.50 x .19	8.91 x 2.50 x .19	6.02 x 1.80 x .40	6.02 x 1.80 x .40
Brake lining — Front Wheel — Size (length x width x thickness) — Prim. or outboard	- - -	- - -	- - -	- - -	- - -	- - -
Brake lining — Front Wheel — Size (length x width x thickness) — Second. or inboard	9.82 x 2.50 x .19	11.06 x 2.50 x .19	11.06 x 2.50 x .19	11.06 x 2.50 x .19	6.02 x 1.80 x .40	6.02 x 1.80 x .40
Brake lining — Front Wheel — Size (length x width x thickness) — Second. or inboard	- - -	- - -	- - -	- - -	- - -	- - -
Brake lining — Front Wheel — Segments per shoe	One	One	One	One	One Ea. Side of Disc	One Ea. Side of Disc
Brake lining — Rear Wheel — Material	Molded Asbestos	Molded Asbestos	Molded Asbestos	Molded Asbestos	Molded Asbestos Puck	Molded Asbestos Puck
Brake lining — Rear Wheel — Size (length x width x thickness) — Prim. or outboard	7.66 x 2.00 x .19	8.46 x 1.75 x .19	8.46 x 1.75 x .19	8.46 x 2.50 x .19	8.46 x 1.75 x .19	8.46 x 2.50 x .19
Brake lining — Rear Wheel — Size (length x width x thickness) — Prim. or outboard	- - -	- - -	- - -	- - -	- - -	- - -
Brake lining — Rear Wheel — Size (length x width x thickness) — Second. or inboard	9.82 x 2.00 x .19	10.88 x 1.75 x .19	10.88 x 1.75 x .19	10.88 x 2.50 x .19	10.88 x 1.75 x .19	10.88 x 2.50 x .19
Brake lining — Rear Wheel — Size (length x width x thickness) — Second. or inboard	- - -	- - -	- - -	- - -	- - -	- - -
Brake lining — Rear Wheel — Segments per shoe	One	One	One	One	One	One

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.
*** Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

(1) Hornet . . . 800 Power
Javelin. . . 630 Manual, 1240 Power

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STEERING

MODEL				GREMLIN	HORNET	MATADOR	AMBASSADOR	JAVELIN
Manual (std., opt., NA)				Standard				
Power (std., opt., NA)				Optional				
Adjustable steering wheel (tilt, swing, other)		Type and description		N.A.		7-Position, Vertical-Arc Adjustment for Steering Column ("Adjust-O-Tilt")		
		(std., opt., NA)		- - -		Opt.(N.A. with column-shift 3-speed)		
Wheel diameter		Manual		(1)		16"		
		Power		(1)		16"		
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)		34'8"	38'	41'	42'5"	38'3"
		Curb to curb (l. & r.)		32'8"	36'	39'	40'5"	36'3"
	Inside rear	Wall to wall (l. & r.)		- - -	19'11"	21'2"	22'4"	20'4"
		Curb to curb (l. & r.)		- - -	20'4"	22'	23'2"	20'7"
Manual	Gear	Type		Recirculating Ball				
		Make		Saginaw				
		Ratios	Gear	24.0:1	24.0:1(2)	24.0:1		20.0:1 (3)
			Overall	29.1:1	29.1:1(2)	29.1:1		24.1:1 (3)
	No. wheel turns (stop to stop)			6.0	6.0 (2)	6.0		5.1 (3)
Power	Type (coaxial, linkage, etc.)			Integral Rotary Valve with Variable-Ratio Gear Box				
	Make			Saginaw Box, Thompson Pump				
	Gear	Type		Recirculating Ball				
		Ratios	Gear	16.0:1 to 12.0:1				
			Overall	19.4:1 to 15.7:1				
	Pump driven by			Belt to Crankshaft Pulley				
	No. wheel turns (stop to stop)			3.3				
Linkage	Type			Ball & Socket				
	Location (front or rear of wheels, other)			Front				
	Drag link (trans. or longit.)			Transverse				
	Tie rods (one or two)			Two				
Steering Axis	Inclination at camber (deg.)			7°45' @ 30'				
	Bearings (type)	Upper		Ball Joint				
		Lower		Ball Joint				
		Thrust		Ball Joint				
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)			+½° to +1½° (+1° Desired)				
	Camber (deg.)			-3/8° to +3/8° (0° Desired)				
	Toe-in (outside track inches)			1/16" to 3/16" (1/8" Desired)				
Steering spindle & joint type				Integral Knuckle-Pin with Upper & Lower Ball Joints				
Wheel Spindle	Diameter	Inner bearing		1.25				
		Outer bearing		.75				
	Thread size			.75 x 16				
	Bearing type			Tapered Roller				

(1) Standard 15.75" x 15.25". Custom 16" x 15.5". Sports 16".

(2) Standard Ratio Manual Steering for Hornet SC/360 . . . Gear Box..... 20.0:1
Overall..... 24.1:1
Turns..... 5.1

(3) Optional Quick-Ratio Manual Steering for Javelin . . . Gear Box..... 16.0:1
Overall..... 19.4:1
Turns..... 4.0

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MODEL	HORNET	JAVELIN	MATADOR	AMBASSADOR	GREMLIN
SUSPENSION – GENERAL					
Provision for car leveling	None				
Provision for brake dip control	Front Susp. plus Asymmetrical Rear Springs		Front Susp. plus 4-Link Rear Geometry		same as Hornet
Provision for acc. squat control	Asymmetrical Rear Springs		4-Link Rear Geometry		same as Hornet
Special provisions for car jacking	Side Scissors Jack		Bumper Jack		Side Scissors Jack
Shock absorber front & rear — Type	Direct-Acting, Telescopic				
Shock absorber front & rear — Make	Gabriel				
Shock absorber front & rear — Piston dia.	1.00 (1.19 Heavy Duty)				
Other special features	- - -		Adjustable Air-Shock Rear Suspension, Optional (Special Shock Absorbers by "Delco")		- - -

SUSPENSION – FRONT	HORNET 6 & V-8			JAVELIN 6 & V-8			MATADOR HARDTOP 6 & V-8			MATADOR SEDAN 6 & V-8			MATADOR WAGON 6 & V-8			AMBASSADOR SEDAN & HARDTOP 6 & V-8			AMBASSADOR WAGON V-8			GREMLIN 6		
Type and description: INDEPENDENT, TWIN BALL JOINT, COIL SPRINGS	STD	AC (also std. & AC for SC/360)	HD	STD	AC	HD	STD	AC	HD	STD	AC	HD (& Machine Hardtop)	STD	AC	HD	STD	AC	HD	STD	AC	HD	STD	AC	HD
Spring — Type	Coil																							
Spring — Material	SAE 5160 or 9260																							
Spring — Size (coil design height & I.D., bar length x dia.)	9.75 x 5.05																							
Left & Right Average — Spring rate (lb. per in.) STK	218	233	265	218	233	268	233	240	282	240	257	304	233	240	295	249	257	304	- -	- -	- -	211	225	285
Left & Right Average — Rate at wheel (lb. per in.) STK	97	102	122	97	102	116	102	105	122	105	111	129	102	105	126	109	111	129	- -	- -	- -	94	100	122
Spring Rate (lb./in.) V-8	248	265	314	248	248*	294	220	220*	314	235	235*	335	220*	235	335	235*	250	335	226*	243	335	- -	- -	- -
Rate @ WH (lb./in.) V-8	108	115	133	108	108*	125	98	98*	133	104	104	141	98*	104	141	104*	109	141	101*	106	141	- -	- -	- -
Stabilizer — Type (link, linkless, frameless) Link Sway Bar	*265/115=360/401 V8 Standard for V-8 In Opt. Handling Pkg. for 6						*235/104=360/401 Standard V8			*250/109=360/401 Standard V8			*235/104=360/401 Standard V8			*250/109=360/401 Standard V8			*243/106=360/401 Standard V8			In Optional Handling Package		
Stabilizer — Material & bar diameter	SAE 1090, .94 Dia.																							

SUSPENSION – REAR	HORNET SEDANS				HORNET WAGON 6 & V8		JAVELIN				MATADOR SEDAN AMB. SEDAN & HT		MATADOR HARDTOP			AMBASSADOR & MATADOR WAGON		GREMLIN	
Type and description	Hotchkiss										4-Link with Coil Springs							Hotchkiss	
Drive and torque taken through	Rear Spring										4-Link Trailing Arms							Rear-Spring	
Spring — Type	Leaf										Coil							Leaf	
Spring — Material	SAE 5155										SAE 5160 or 9260							SAE 5155	
Spring — Size (length x width, coil design height & I.D., bar length & dia.)	52 x 2.5						53 x 2.5				10.5 x 5.25		9.75 x 5.25		10 x 5.25	10 x 5.25		46.0 x 2.5	
Spring —	ST 6	ST 8	HD 6	HD 8	STD	HD	ST 6	ST 8	HD 6	HD 8	STD	HD	STD	HD	MACHINE	STD	HD	STD	HD
Spring — Spring rate (lb. per in.)	82	87	95	100	88	106	86	86	104	103	115	135	115	135	160	160	200	95	110
Spring — Rate at wheel (lb. per in.)	100	105	115	120	106	128	104	104	126	125	106	125	106	125	145	145	180	115	133
Spring — Mounting insulation type	Rubber Bushing, "Silentbloc" Front, CP Rear										Rubber, "Silentbloc"							Same as Hornet	
Spring — If leaf: No. of leaves	3	4½	4	4½	4	4½	4	4½	4	4½	- - -							3½	4½
Spring — If leaf: Shackle (comp. or tens.)	Compression										- - -							Compression	
Stabilizer — Type (link, linkless, frameless)	None										In Opt. Handling Package, Frameless							None	
Stabilizer — Material	- - -										SAE 1090, .95 Dia.							- - -	
Track bar type	None										None							None	

"HANDLING PACKAGE" OPTIONS: Gremlin, Hornet-6 & Javelin-6: Front Sway Bar; Heavy-Duty Springs & Shocks

Hornet V-8, Javelin V-8: Heavy-Duty Springs & Shocks

Matador & Ambassador (Std. with Matador "Machine" Package): Heavy-Duty Springs & Shocks; Rear Sway Bar

Note: Adjustable Air-Shock Rear Suspension, Optional

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MODEL	GREMLIN	HORNET			MATADOR & AMBASSADOR			JAVELIN
	2-Dr.Sed	2-Dr.Sed	4-Dr.Sed	Wagon	Sedan	Wagon	Hardtop	Hardtop
FRAME								
Type and description (Separate frame, unitized frame, partially - unitized frame)	Unitized Body-&-Frame. Outer Front Fenders Bolted On. One-Piece Uniside, Inner & Outer (Matador & Ambassador Wagon). "Guard-Rail" Inner Door Structure for Javelin only.							

BODY – MISCELLANEOUS INFORMATION

Drs. hinged (front, rr.)	Front doors	Front						
	Rear doors	Front						
Type of finish (lacquer, enamel, other)		Acrylic Enamel						
Hood counterbalanced (yes, no)		Yes						
Hood release control (internal, external)		External						
Vehicle Indent. No. location		Plate on Left Door. Plate on Top Surface, Left-Side of Instrument Panel at Base of Windshield.						
Engine No. location		6-Cyl. . . Block, Upper Right Center. V-8. . . . Front of Right-Hand Valve Cover.						
Theft protection - type		Key Lock on Steering Column Locks Ignition, Steering Wheel, & Trans. (less Trans. Lock in few models). Warning Buzzer Std.						
Vent window control method (crank, friction pivot)	Front	None			Friction Pivot			None
	Rear	None						None
Seat cushion type	Front	Formed Wire			Coil(Formed Wire,Buckets)			Form.Wire
	Rear	Formed Wire			Coil			Form.Wire
	3rd seat	Solid Polyurethane Foam for Matador & Amb. 3-Seat Wagon						
Seat back type	Front	Formed Wire			Coil(Formed Wire,Buckets)			Form.Wire
	Rear	Formed Wire			Coil			Form.Wire
	3rd seat	Solid Polyurethane Foam for Matador & Amb. 3-Seat Wagon						
Windshield glass type (i.e., single curved - laminated plate)		Single, Curved Laminated Safety Plate ("Chemcor" type for Javelin only)						
Side glass type (i.e., curved - tempered plate)		Curved, Tempered Safety Glass						
Backlight glass type (i.e., compound curved - tempered plate, three piece)		One-Piece Curved, Tempered Safety Plate on all Sedans & Hardtops. Curved, Tempered Safety Glass on Wagons.						
Windshield glass exposed surface area		1214	1214	1214	1214	1313	1313	1313	1235
Side glass exposed surface area		1186	1354+	1326	1894	1416	2496	1332	1258
Backlight glass exposed surface area		889*	797	797	913	1006	776	1215	1001
Total glass exposed surface area		3289	3365	3337	4021	3735	4585	3860	3494

* 882 for 2-passenger model with fixed backlight.

\+ 1351 for SST & SC/360 models with flip-open rear quarter window (opt. on Base).

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MODEL	HORNET & GREMLIN	MATADOR & AMBASSADOR	JAVELIN
CONVENIENCE EQUIPMENT	(Indicate whether standard, optional or NA on each series)		
Power windows: Side windows	N.A.	Opt. SST & Brougham	N.A.
Power windows: Vent windows	N.A.		
Power windows: tailgate	- - -	Opt. (Std. on 3-Seat)	- --
Power seats (specify type as well as availability)	N.A.		
Reclining front seat back (~~R L or~~ both)	(1)	Opt. (Std. Brougham)	N.A.
Front seat head restrainer (~~R L or~~ both)	Standard		
Radios (specify type as well as availability)	Opt. All-Transistor Push-Button AM	Push-Button AM or AM/FM	Push-Button AM or AM/FM Stereo Multi Plex. Manual AM w/Tape Player
Rear seat speaker	N.A.	Optional (2)	Optional (2)
Power antenna	N.A. (Manual Antenna on Right Front Fender)		
Clock	Opt. on Hornet	Opt. (Std. Brougham)	Opt. (Std. AMX)
Air conditioner (specify type and availability)	Opt.(Std. Amb.) Front Type Recirculating, Ported Air Discharge, Adjustable Thermostat, Engine Belt Driven 2-Cyl. Alum. Compressor.		
Speed warning device	N.A.		
Speed control device	Cruise-Command N.A.	Opt. V-8 Auto. Trans.	N.A.
Ignition lock lamp	N.A.		
Dome lamp	Standard Ceiling type for Sedans & Wagons (3)		Ceiling Type
Glove compartment lamp	Optional	Opt. (Std. Brougham)	Optional
Luggage compartment lamp	Opt. on Hornet	Opt. (Std. Brougham)	Optional
Underhood lamp	N.A.		
Courtesy lamp	Optional	Opt. (Std. Brougham)	Optional
Map lamp	N.A.	N.A.	Optional
Auto. trans. quad. lamp	Standard		
Cornering light lamp	N.A.		
Emergency Flasher Lamp	Standard (4-Way Hazard Warning Signal)		
Back-Up Lamp	Standard		
Headlights-Off Delay System	N.A.	Optional	Optional
Tachometer	Opt. Hornet SC/360	N.A.	Optional V-8
Trunk Lid Rack	Opt. Hornet	N.A.	Opt. (N.A. AMX)
Wagon Roof Rack	Optional	Std. Amb., Opt. Mat.	N.A.
Rear Window Electric Defogger	N.A.	Opt. (N.A. Wagon)	Optional

LAMP HEIGHT AND SPACING

			HORNET		GREMLIN	MATADOR			AMBASSADOR		JAVELIN
			2 & 4Dr.Sed	4Dr.Wag	2Dr.Sed	Sedan	Hardtop	Wagon	Sed & Ht	Wagon	Hardtop
Height above ground to center of bulb or marker	Headlamp (H125)	Highest *	25.74	26.13	25.20	26.29	25.41	26.34	27.19	27.68	25.42
		Lowest	- - -	- - -	- - -	- - -	- - -	- - -	- --	- - -	- - -
	Tail (H126)	Highest	23.53	24.75	23.62	23.33	22.45	30.55	23.24	30.43	26.10
		Lowest	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
	Sidemarker	Front	24.52	24.52	23.92	24.04	23.18	24.04	27.22	27.22	24.76
		Rear	24.67	24.82	23.60	20.36	19.67	30.55	20.54	30.43	22.78
Distance from C/L of car to center of bulb	Headlamp	Inside	- - -	- - -	- - -	23.06	23.06	23.06	23.50	23.50	- - -
		Outside *	24.70	24.70	24.70	29.70	29.70	29.70	30.08	30.08	26.87
	Tail	Inside	- - -	- - -	- - -	16.66	16.66	- - -	16.66	- - -	12.50
		Outside	26.80	26.80	24.00	28.34	28.34	34.24	28.34	34.24	20.92
	Directional	Front	17.15	17.15	15.00	26.65	26.65	26.65	34.52	34.52	24.22*
		Rear	26.80	26.80	24.00	28.34	28.34	34.24	28.34	34.24	20.92

* If single headlamps are used enter here.

* AMX 17.62

(1) Optional on Hornet SST & Sportabout. Standard on Hornet SC/360.

(2) Included with 8-Track Stereo Tape Player for Matadors & Ambassadors (NA wagon) & Jav.

(3) Rear Side Pillars (both) on Matador & Ambassador Hardtops.

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VEHICLE WEIGHTS

BASE ENGINE	MODEL		CURB WEIGHT * POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING WEIGHT		
						Pass. In Front		Pass. In Rear				
			Front	Rear	Total	Front	Rear	Front	Rear	Front	Rear	Total
CID/Cyl.	GREMLIN:											
232 Six	2-Dr. Sedan	7146-0 2-Pass.	1505	1076	2581	43	17	- -	- -	1516	987	2503
232 Six	2-Dr. Sedan	7146-5 4-Pass.	1518	1112	2630	"	"	17	83	1529	1023	2552
	HORNET:											
232 Six	2-Dr. Sedan	7106-0 Base	1562	1140	2702	49	51	19	81	1570	1084	2654
232 Six	2-Dr. Sedan	7106-7 SST	1579	1160	2739	"	"	"	"	1587	1104	2691
360 V-8	2-Dr. Sedan	7106-1 SC/360	1830	1275	3105	"	"	"	"	1838	1219	3057
232 Six	4-Dr. Sedan	7105-0 Base	1586	1193	2779	"	"	"	"	1594	1137	2731
232 Six	4-Dr. Sedan	7105-7 SST	1586	1194	2780	"	"	"	"	1594	1138	2732
232 Six	4-Dr. Wagon	7108-7 Sportabout	1578	1297	2875	"	"	"	"	1586	1241	2827
	JAVELIN:											
232 Six	2-Dr. Hardtop	7179-5 Base	1658	1277	2935	46	54	20	80	1666	1221	2887
232 Six	2-Dr. Hardtop	7179-7 SST	1662	1276	2938	"	"	"	"	1670	1220	2890
360 V-8	2-Dr. Hardtop	7179-8 AMX				"	"	"	"			
	MATADOR:											
232 Six	4-Dr. Sedan	7115-7 Base	1711	1523	3234	48	52	19	81	1723	1442	3165
232 Six	2-Dr. Hardtop	7119-7 Base	1725	1545	3270	"	"	21	79	1737	1464	3201
232 Six	4-Dr. Wagon	7118-7 Base	1662	1844	3506	"	"	19	81	1674	1763	3437
	AMBASSADOR:											
258 Six	4-Dr. Sedan	7185-2 Base	1828	1556	3384	47	53	18	82	1840	1475	3315
304 V-8	4-Dr. Sedan	7185-5 SST	1983	1606	3589	"	"	"	"	1995	1525	3520
304 V-8	4-Dr. Sedan	7185-7 Brougham	1994	1616	3610	"	"	"	"	2006	1535	3541
304 V-8	2-Dr. Hardtop	7189-5 SST	2003	1627	3630	"	"	20	80	2015	1546	3561
304 V-8	2-Dr. Hardtop	7189-7 Brougham	2011	1638	3649	"	"	"	"	2023	1557	3580
304 V-8	4-Dr. Wagon	7188-5 SST	1939	1930	3869	"	"	18	82	1945	1870	3815
304 V-8	4-Dr. Wagon	7188-7 Brougham	1954	1962	3916	"	"	"	"	1960	1902	3862

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

OFFICIAL SHIPPING WEIGHT includes heater (plus air conditioning on Ambassador), two head-restraints, spare wheel & tire, tire jack with wrench, oil, coolant, plus 8 gallons fuel. CURB WEIGHT equals shipping weight plus fuel to fill tank (see chart at right).

FUEL TO FILL TO CURB WEIGHT:		FRONT	REAR	TOTAL
Gremlin	8 to 21.0 gal.	-11	89	78
Hornet	8 to 16.0 gal.	- 8	56	48
Javelin	8 to 16.0 gal.	- 8	56	48
Matador Sedan & Hardtop	8 to 19.5 gal.	-12	81	69
Matador 3-Seat Wagon	8 to 17.0 gal.	- 6	60	54
Ambassador Sedan & Hardtop	8 to 19.5 gal.	-12	81	69
All Ambassador Wagons	8 to 17.0 gal.	- 6	60	54

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OPTIONAL EQUIPMENT WEIGHTS (over 5#)
Equipment Differential Weights

		WEIGHT POUNDS		
		Front	Rear	Total
GREMLIN ALL	232-1B 3-Speed to 232-1B Auto	12	11	23
	232-1B 3-Speed to 258-1B 3-Speed	21	4	25
	232-1B 3-Speed to 258-1B Auto	23	10	33
HORNET Except SC/360	232-1B 3-Speed to 232-1B Auto	18	5	23
	232-1B 3-Speed to 258-1B 3-Speed	27	-1	26
	232-1B 3-Speed to 258-1B Auto	29	5	34
	232-1B 3-Speed to 304-2B Auto, Sed	188	70	258
	232-1B 3-Speed to 304-2B Auto, Wag	186	67	253
SC/360	360-2B 3-Speed to 360-2B Auto	10	12	22
	360-2B 3-Speed to 360-4B 3-Speed	10	0	10
	360-2B 3-Speed to 360-4B 4-Speed	11	5	16
	360-2B 3-Speed to 360-4B Auto	20	12	32
JAVELIN BASE & SST	232-1B 3-Speed to 232-1B Auto	7	1	8
	232-1B 3-Speed to 258-1B Auto	16	7	23
	232-1B 3-Speed to 304-2B 3-Speed	197	60	257
	232-1B 3-Speed to 304-2B Auto	201	62	263
	232-1B 3-Speed to 360-2B Auto	225	76	301
	232-1B 3-Speed to 360-4B Auto	235	76	311
	232-1B 3-Speed to 360-4B 4-Speed	236	69	305
	232-1B 3-Speed to 401-4B Auto	263	98	361
	232-1B 3-Speed to 401-4B 4-Speed	264	91	355
AMX	360-2B 3-Speed to 360-2B Auto	10	12	22
	360-2B 3-Speed to 360-4B 3-Speed	10	0	10
	360-2B 3-Speed to 360-4B Auto	20	12	32
	360-2B 3-Speed to 360-4B 4-Speed	11	5	16
	360-2B 3-Speed to 401-4B Auto	48	34	82
	360-2B 3-Speed to 401-4B 4-Speed	49	27	76
MATADOR ALL	232-1B 3-Speed to 232-1B Auto	9	5	14
	232-1B 3-Speed to 258-1B Auto	22	3	25
	232-1B 3-Speed to 304-2B Auto	147	12	159
	232-1B 3-Speed to 360-2B Auto,S & HT	221	24	245
	232-1B 3-Speed to 360-2B Auto, Wag	203	14	217
	232-1B 3-Speed to 360-4B Auto,S & HT	231	24	255
	232-1B 3-Speed to 360-4B Auto, Wag	213	14	227
	232-1B 3-Speed to 360-4B 4-Speed, HT	236	69	305
	232-1B 3-Speed to 401-4B Auto,S & HT	264	45	309
	232-1B 3-Speed to 401-4B Auto, Wag	246	35	281
	232-1B 3-Speed to 401-4B 4-Speed, HT	264	91	355
AMBASSADOR Except DPL / DPL	258-1B Auto to 304-2B Auto	144	29	173
	258-1B Auto to 360-2B Auto	196	48	244
	258-1B Auto to 360-4B Auto	205	49	254
	304-2B Auto to 360-2B Auto,S & HT	52	19	71
	304-2B Auto to 360-2B Auto, Wag	49	14	63
	304-2B Auto to 360-4B Auto, S & HT	61	20	81
	304-2B Auto to 360-4B Auto, Wag	58	15	73
	304-2B Auto to 401-4B Auto, S & HT	91	44	135
	304-2B Auto to 401-4B Auto, Wag	88	39	127
Dual Exhaust, Jav. & Hornet(Std-401)		5	21	26
Dual Exhaust, Matador & Ambassador		8	26	34
Power Steering		34	-3	31
Power Brakes		8	1	9
Manual Disc Brakes (Javelin)		27	0	27
Power Disc Brakes, Hornet & Javelin		37	1	38
, Mat. 304 S & HT		39	2	41
, Mat.360/401 S & HT		22	-9	13
, Amb. S & HT		21	-8	13
, Mat. & Amb. Wag		22	2	24
Twin-Grip Differential		0	8	8
Air Conditioning, Gremlin		78	-5	73
, Hornet Base 6		76	-4	72
, Hornet SST,SC,Wag 6		74	-5	69
, Hornet V8		66	-3	63
, Javelin 6 & V8		64	-4	60
, Matador 6		78	-3	75
, Matador V8		74	-3	71
Delete Air Cond, Ambassador		-65	2	-63
Radio, Gremlin, Hornet, Javelin		5	1	6
, Matador & Ambassador		5	2	7
Radio with Stereo Tape, Javelin		4	4	8
Stereo Tape Player, Mat. & Amb.		6	5	11
Power Side Windows, Amb		7	8	15
Power Tailgate Window, Mat & Amb		-2	8	6
Wagon 3rd Seat & P.T'gate Win, Mat		-4	35	31
Wagon 3rd Seat & P.T'gate Win, Amb		-4	25	21
Roof Rack, Gremlin		3	7	10
, Hornet Wag(w/air defl.)		1	14	15
, Mat Wag (Std. Amb)		0	15	15
Trunk Rack, Hornet & Javelin		-2	9	7
Tailgate Air Defl,Mat & Amb(std Brougham)		-1	7	6
, Gremlin		-1	6	5
Auto Speed Control,Mat & Amb V8 Auto		6	0	6
Handling Package, Gremlin		18	6	24
, Hornet 6/V8		17/1	2/5	19/6
, Javelin 6/V8		17/1	4/4	21/5
, Mat & Amb		2	14	16
H-D Engine Cooling, Gremlin & Hornet 6		12	-2	10
(Std w/AC) , Hornet V8		7	-1	6
, Javelin 6/V8		8/7	-1/-1	7/6
, Mat & Amb 6/V8		7/10	-1/-1	6/9
70-Amp Battery		7	-1	6
Cold Start Package		9	-1	8
Undercoating		8	11	19
Undercoating & Hood Insulation		9	11	20
Vinyl Floor Mats		3	4	7
Vinyl-Covered Roof, Hornet/Javelin		2/2	4/3	6/5
, Mat & Amb		2	5	7
Bumper Guards, Front (Std Amb)		4	0	4
, Front & Rear		4	4	8
Wheel Covers (Std Jav SST,Amb SST & Br)		2	2	4
Custom Wheel Covers		6	6	12
Wire Wheel Covers		9	9	18
Turbo-Cast Wheel Covers		11	11	22
Auto.Trans.Aux.Oil Cooler,Mat& Amb V8		6	-1	5
Ind. Recl. Seats, Hornet 2-Door		8	9	17
, Hornet 4-Door		12	12	24
,Mat&Amb 2-Dr(Std Bro)		10	11	21
,Mat&Amb 4-Dr(Std Bro)		12	14	26
Bucket Seats, Gremlin (Std Javelin)		11	14	25
, Mat & Amb (with cushion)		9	10	19
, Mat & Amb (with console)		13	14	27
Center Cushion & Armrest, Javelin		6	4	10
Console, Javelin (Std AMX)		6	5	11
Armrest for Console		3	2	5
Interior Appointment Pack., Gremlin		4	2	6
Front Lower Spoiler, AMX		5	0	5
Gremlin, 6.00x13 to 6.45x14		7	11	18
, 6.00x13 to B78x14		13	20	33
, 6.00x13 to D70x14 *		40	46	86
Hornet 6 Sedan, 6.45x14 to 6.95x14		2	3	5
, 6.45x14 to B78x14		6	9	15
, 6.45x14 to C78x14		12	18	30
, 6.45x14 to D78x14 *		29	32	61
, 6.45x14 to D70x14 *		31	34	65
Ho.V8 Sed & Wag, 6.95x14 to C78x14		10	15	25
, 6.95x14 to D78x14		12	18	30
, 6.95x14 to D78x14 *		27	29	56
, 6.95x14 to D70x14 *		29	31	60
Javelin 6, C78x14 to D78x14		2	3	5
, C78x14 to E70x14		12	21	33
, C78x14 to E70x14 *		19	22	41
, C78x14 to E78x14 *		16	19	35
Javelin V8(less AMX),D78x14 to E78x14		4	6	10
,D78x14 to E70x14		10	18	28
,D78x14 to E78x14*		13	15	28
,D78x14 to E70x14*		17	19	36
,D78x14 to E60x15*		27	29	56
AMX, E70x14 Slot to Spoke Wheels		-6	-6	-12
, E70x14 Slot to E60x15 Spoke W.		4	4	8
Mat Sed & HT, E78x14 to F78x14		3	5	8
, E78x14 to E60x15 Spoke W		27	20	47
Mat Wagons, G78x14 to H78x14		2	3	5
Amb Sed & HT, E78x14 to F78x14		3	5	8
, E78x14 to G78x14		11	17	28
Amb. Wagons, H78x14, 2 Ply to 4 Ply		9	16	25
Blackwall to Whitewall Tires		2	3	5
Spoke-Style Wheels, 4		11	11	22

* With mag-type wheels.

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CAR AND BODY DIMENSIONS
KEY SHEET
DIMENSION DEFINITIONS

EXTERIOR WIDTH DIMENSIONS

W101 WHEEL TREAD – FRONT. Measured at centerline of tires, with nominal camber, at ground.

W102 WHEEL TREAD – REAR. Measured at centerline of tires at ground.

W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.

W117 MAXIMUM BODY WIDTH AT #2 PILLAR. Measured across body at #2 pillar, excluding hardware and applied moldings.

EXTERIOR LENGTH DIMENSIONS

L 30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (–) sign.

L101 WHEELBASE.

L103 OVERALL LENGTH. Include bumper guards if standard equipment.

L104 OVERHANG – FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.

L105 OVERHANG – REAR. Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.

L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.

L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.

L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

EXTERIOR HEIGHT DIMENSIONS

H101 OVERALL HEIGHT – DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.

H114 COWL POINT TO GROUND. Measured at vehicle centerline.

H138 DECK POINT TO GROUND. Measured at vehicle centerline.

H112 ROCKER PANEL TO GROUND – FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.

H111 ROCKER PANEL TO GROUND – REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.

H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.

GROUND CLEARANCE DIMENSIONS

H102 BUMPER TO GROUND – FRONT. Minimum dimension, includes bumper guards.

H104 BUMPER TO GROUND – REAR. Minimum dimension, includes bumper guards.

H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.

H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.

H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.

H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

FRONT COMPARTMENT DIMENSIONS

H 61 EFFECTIVE HEAD ROOM – FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.

L 34 MAXIMUM EFFECTIVE LEG ROOM – ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.

H 30 H POINT TO HEEL POINT – FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.

L 17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.

FRONT COMPARTMENT DIMENSIONS (Cont.)

W 3 SHOULDER ROOM – FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.

W 5 HIP ROOM – FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.

H 50 UPPER BODY OPENING TO GROUND – FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.

REAR COMPARTMENT DIMENSIONS

L 50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.

H 63 EFFECTIVE HEAD ROOM – REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.

L 51 MINIMUM EFFECTIVE LEG ROOM – REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.

H 31 H POINT TO HEEL POINT – REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.

L 48 MINIMUM KNEE ROOM – REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.

L 3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.

W 4 SHOULDER ROOM – REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.

W 6 HIP ROOM – REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.

H 51 UPPER BODY OPENING TO GROUND – REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

LUGGAGE COMPARTMENT DIMENSIONS

V 1 LUGGAGE CAPACITY – USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.

H195 LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

STATION WAGON – THIRD SEAT DIMENSIONS

W 85 SHOULDER ROOM – THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.

W 86 HIP ROOM – THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.

L 86 EFFECTIVE LEG ROOM – THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.

H 86 EFFECTIVE HEAD ROOM – THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.

STATION WAGON – CARGO SPACE DIMENSIONS

L202 CARGO LENGTH AT FLOOR – FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.

L204 CARGO LENGTH AT BELT – FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.

W201 CARGO WIDTH – WHEELHOUSE. The minimum horizontal dimension, measured between wheelhousings at floor level.

W204 OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.

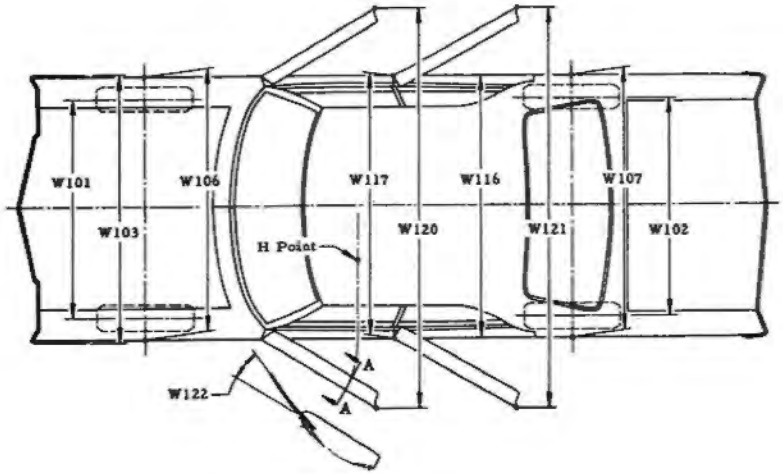
H201 MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.

H202 REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail-and liftgates fully open.

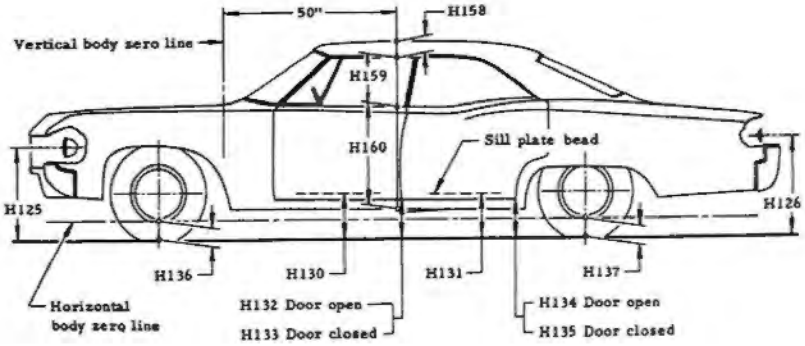
V 2 CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

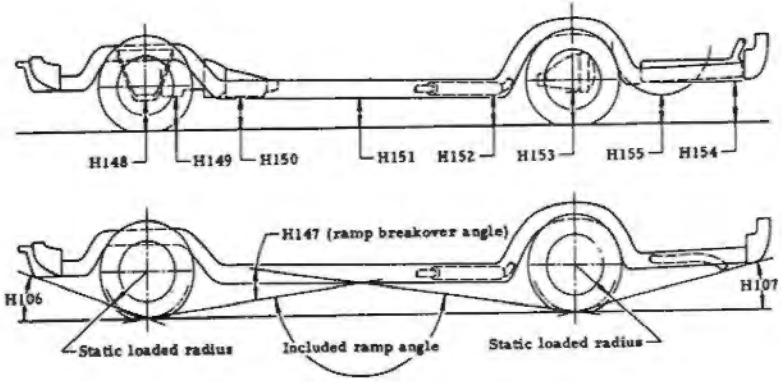
$$\frac{W4 \times L204 \times H201}{1728}$$

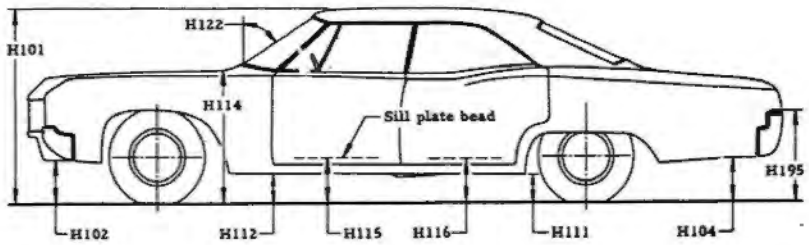
KEY to EXTERIOR CAR and BODY DIMENSIONS

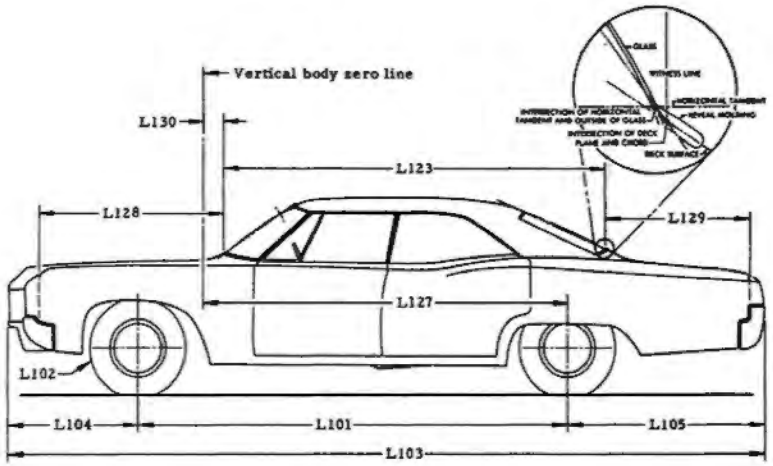


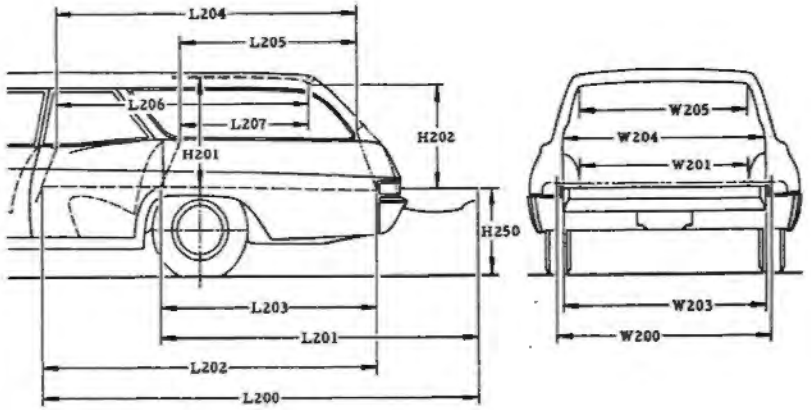
SECTION A-A







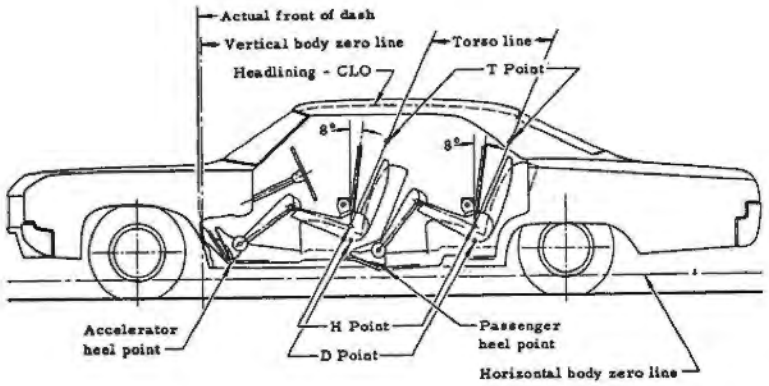


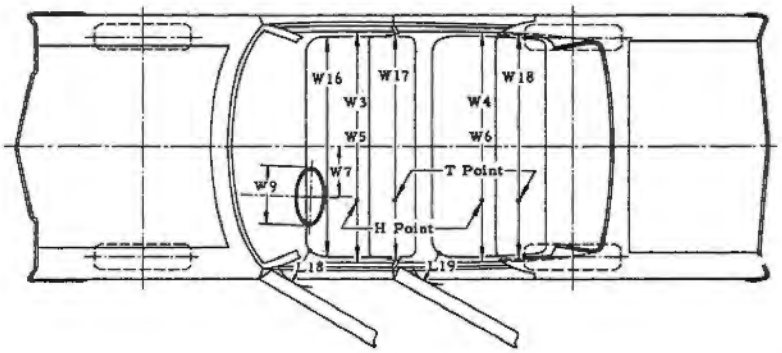


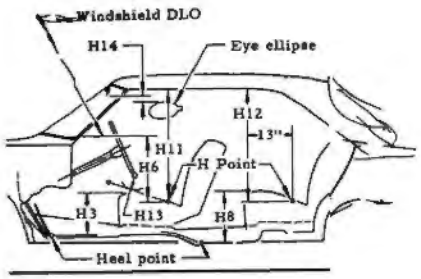
CAR AND BODY DIMENSIONS *
AMA SPECIFICATIONS SUPPLEMENT

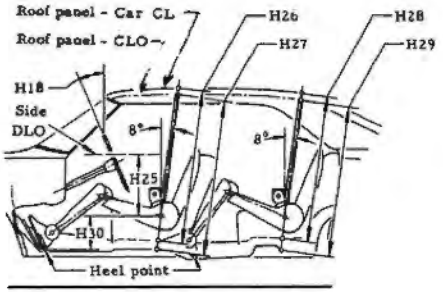
EXTERIOR CODE NO.		DESCRIPTION	HORNET 2-Door Sedan 7106-0 7106-1 7106-7	HORNET 4-Door Sedan 7105-0 7105-7	HORNET 4-Door Wagon 7108-7	GREMLIN 2-Door Sedan 7146-0 2-Pass.	GREMLIN 2-Door Sedan 7146-5 4-Pass.	MATADOR 4-Door Sedan 7115-7	MATADOR 2-Door Hardtop 7119-7	MATADOR 4-Door Wagon 7118-7	AMBASSADOR 4-Door Sedan 7185-2 7185-5 7185-7	AMBASSADOR 2-Door Hardtop 7189-5 7189-7	AMBASSADOR 4-Door Wagon 7188-5 7188-7	JAVELIN 2-Door Hardtop 7179-5 7179-7 7179-8
WIDTH	W101	TREAD - FRONT	57.46	57.46	57.46	57.46	57.46	59.94	59.94	59.94	59.94	59.94	59.94	59.30
	W102	TREAD - REAR	57.00	57.00	57.00	57.00	57.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
	W103	MAXIMUM OVERALL WIDTH OF CAR	70.58	70.58	70.58	70.58	70.58	77.24	77.24	77.24	77.24	77.24	77.24	75.20
	W116	MAXIMUM OVERALL WIDTH OF BODY	70.58	70.58	70.58	70.58	70.58	77.24	77.24	77.24	77.24	77.24	77.24	75.20
	W117	MAXIMUM BODY WIDTH AT #2 PILLAR	67.88	67.88	67.88	67.88	67.88	75.46	75.46	75.46	75.46	75.46	75.46	69.71
	W106	FRONT FENDER OVERALL WIDTH	69.08	69.08	69.08	69.08	69.08	77.24	77.24	77.24	77.24	77.24	77.24	74.66
	W107	REAR FENDER OVERALL WIDTH	70.58	70.58	70.58	70.58	70.58	76.76	76.76	76.76	76.76	76.76	76.76	75.12
	W120	MAXIMUM OVERALL CAR WIDTH, FRONT DOORS OPEN	156.40	141.72	141.72	156.40	156.40	143.14	166.86	143.14	143.14	166.86	143.14	152.90
	W121	MAXIMUM OVERALL CAR WIDTH, REAR DOORS OPEN	- - -	122.62	122.62	- - -	- - -	140.60	- - -	140.60	140.60	- - -	140.60	- - -
LENGTH	L30	BODY ZERO LINE TO ACTUAL FRONT OF DASH	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	L101	WHEELBASE	108.00	108.00	108.00	96.00	96.00	118.00	118.00	118.00	122.00	122.00	122.00	110.00
	L104	OVERHANG, FRONT	33.25	33.25	33.25	33.25	33.25	34.93	34.93	34.93	35.66	35.66	35.66	42.25
	L105	OVERHANG, REAR	38.01	38.01	38.01	32.00	32.00	53.12	53.12	52.07	53.12	53.12	52.07	39.52
	L103	OVERALL LENGTH	179.26	179.26	179.26	161.25	161.25	206.05	206.05	205.00	210.78	210.78	209.73	191.77
	L128	HOOD LENGTH AT CENTERLINE	52.93	52.93	52.93	52.93	52.93	62.40	62.40	62.40	61.75	61.75	61.75	63.80
	L123	BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE	96.10	96.10	118.00	94.37	94.37	104.37	110.23	135.86	104.37	110.23	135.86	99.86
	L129	DECK LENGTH AT CENTERLINE	27.22	27.22	- - -	- - -	- - -	39.86	36.26	- - -	39.86	36.26	- - -	23.30
	L127	BODY ZERO LINE TO CENTERLINE OF REAR WHEELS	96.00	96.00	96.00	84.00	84.00	100.00	100.00	100.00	100.00	100.00	100.00	96.00
	L130	BODY ZERO LINE TO WINDSHIELD COWL POINT	9.12	9.12	9.12	9.12	9.12	7.50	7.50	7.50	7.23	7.23	7.23	7.55
	L102	TIRE SIZE (STANDARD)	6.45x14	6.45x14	6.95x14	6.00x13	6.00x13	E78x14	E78x14	G78x14	E78x14	E78x14	H78x14	C78x14
HEIGHT		DESIGN LOAD (PASS. DISTR.)	3 - 2	3 - 2	3 - 2	2 - 0	2 - 4	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 2
	H101	OVERALL HEIGHT	52.40	52.40	52.90	51.80	51.80	55.35	53.82	56.39	55.54	54.86	56.70	50.87
	H114	COWL TO GROUND	36.54	36.54	37.15	35.83	35.83	38.47	37.59	39.21	38.55	38.55	39.56	36.55
	H112	ROCKER PANEL TO GROUND - FRONT	8.20	8.20	8.92	7.60	7.60	9.10	8.22	10.00	9.16	9.16	10.31	9.02
	H111	ROCKER PANEL TO GROUND - REAR	6.90	6.90	7.82	6.41	6.41	8.16	7.28	9.86	8.17	8.17	9.97	8.23
	H132	BOTTOM OF DOOR TO GROUND, OPEN - FRONT	11.90	11.95	12.68	11.28	11.28	12.75	11.96	13.86	12.80	12.80	14.12	12.86
	H134	BOTTOM OF DOOR TO GROUND, OPEN - REAR	- - -	10.45	11.42	- - -	- - -	11.98	- - -	13.52	11.94	- - -	13.68	- - -
	H122	WINDSHIELD SLOPE ANGLE	57°30'	57°30'	57°30'	57°30'	57°30'	54°6'	54°6'	54°6'	54°6'	54°6'	54°6'	59°7'
	H125	HEADLAMP TO GROUND	25.74	25.74	26.13	25.20	25.20	20.29	25.41	26.34	27.19	27.19	27.68	25.42
	H126	TAILLAMP TO GROUND	23.53	23.53	24.75	23.62	23.62	23.33	22.45	30.55	23.24	23.24	30.43	26.10
	H136	BODY ZERO TO GROUND - FRONT	7.48	7.48	7.95	6.78	6.78	7.76	6.88	8.28	7.94	7.94	8.68	6.78
	H137	BODY ZERO TO GROUND - REAR	6.10	6.10	7.12	5.64	5.64	6.63	5.75	8.65	6.61	6.61	8.68	5.64
	H133	BOTTOM OF DOOR TO GROUND, CLOSED - FRONT	10.55	10.65	11.55	9.94	9.94	11.67	10.70	13.05	11.69	11.69	13.24	11.62
	H135	BOTTOM OF DOOR TO GROUND, CLOSED - REAR	- - -	10.40	11.32	- - -	- - -	11.42	- - -	13.19	11.43	- - -	13.29	- - -
	H158	ROOF THICKNESS	4.15	4.15	4.15	4.15	4.15	4.46	3.84	4.72	4.46	3.84	4.72	4.60
	H159	DLO HEIGHT	13.90	13.90	13.90	13.90	13.90	14.10	14.06	14.10	14.10	14.06	14.10	13.10
	H160	BODY THICKNESS	27.20	27.20	27.20	27.20	27.20	28.10	28.10	28.10	28.10	28.10	28.10	27.20
	H195	LIFTOVER HEIGHT	28.75	28.75	- - -	- - -	33.90	28.91	28.03	- - -	28.84	28.84	- - -	31.60
GROUND CLEARANCE														
HEIGHT	H102	FRONT BUMPER TO GROUND	17.35	17.35	11.90	16.70	16.70	12.67	11.79	12.84	12.70	12.70	13.33	17.84
	H104	REAR BUMPER TO GROUND	15.30	15.30	11.90	14.70	14.70	15.60	14.72	12.79	15.54	15.54	12.71	15.98
	H106	ANGLE OF APPROACH	26°56'	26°56'	28°0'	27°4'	27°4'	27°46'	27°37'	28°33'	25°27'	25°21'	26°34'	23°35'
	H107	ANGLE OF DEPARTURE	19°0'	19°0'	23°30'	23°0'	23°0'	13°59'	14°5'	14°28'	14°14'	14°13'	14°47'	19°0'
	H147	RAMP BREAKOVER ANGLE	16°20'	16°20'	18°0'	17°0'	17°0'	16°59'	17°1'	18°48'	14°35'	15°49'	16°54'	17°30'
	H148	FRONT SUSPENSION TO GROUND	6.08	6.08	6.24	5.32	5.32	6.08	5.20	6.60	9.62	9.62	7.00	6.46
	H149	OIL PAN TO GROUND	5.96	5.96	5.85	5.17	5.17	6.27	5.39	6.95	6.37	6.37	7.31	6.28
	H150	FLYWHEEL HOUSING/TRANS. ASSY. TO GROUND	5.92	5.92	5.95	5.12	5.12	6.21	5.33	6.95	6.33	6.33	7.30	6.30
	H151	FRAME TO GROUND	6.95	6.95	6.84	6.04	6.04	7.80	7.00	9.14	7.91	7.91	9.36	8.20
	H152	EXHAUST SYSTEM TO GROUND	5.21	5.21	5.65	7.53	7.53	6.30	5.42	7.88	6.31	6.31	8.02	5.48
	H153	REAR AXLE DIFFERENTIAL SYSTEM TO GROUND	7.11	7.11	6.50	5.01	5.01	6.31	5.43	8.33	6.29	6.29	8.36	6.50
	H154	FUEL TANK TO GROUND	7.68	7.68	8.25	5.12	5.12	7.23	6.35	9.48	7.28	7.28	9.48	7.70
	H155	TIRE WELL TO GROUND	12.22	12.22	- - -	11.17	11.17	- - -	- - -	10.97	- - -	- - -	10.93	- - -
	H156	MINIMUM RUNNING GROUND CLEARANCE	5.21	5.21	5.65	5.01	5.01	6.08	5.20	6.60	6.29	6.29	7.00	5.48
		POSITION ON CAR	H-152	H-152	H-152	H-153	H-153	H-148	H-148	H-148	H-153	H-153	H-148	H-152

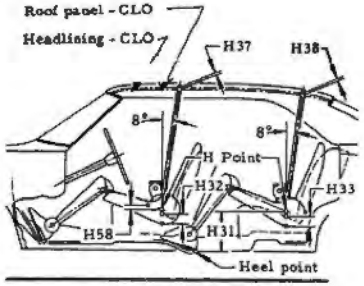
* For Dimension Definitions See Section E1, SAE Aerospace - Automotive Drawing Standards

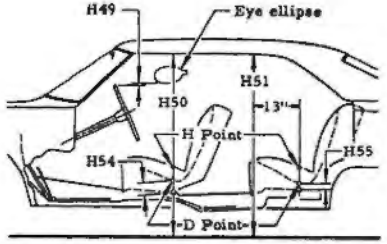

Actual front of dash
Vertical body zero line
Torso line
Headlining - CLO
T Point
8°
8°
Accelerator heel point
H Point
D Point
Passenger heel point
Horizontal body zero line

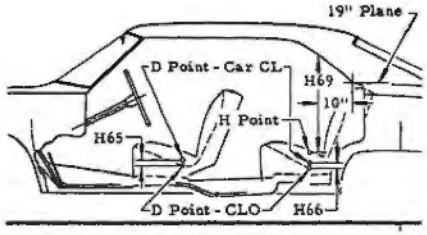

W16
W17
W18
W3
W4
W5
W6
W7
W9
T Point
H Point
L18
L19

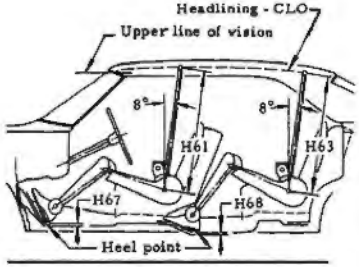

Windshield DLO
H14
Eye ellipse
H12
13°
H11
H6
H Point
H3
H13
H8
Heel point

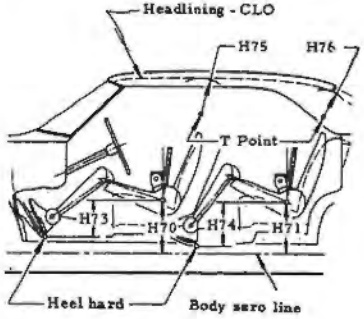

Roof panel - Car CL
Roof panel - CLO
H26
H27
H28
H29
H18
Side DLO
8°
8°
H25
H30
Heel point

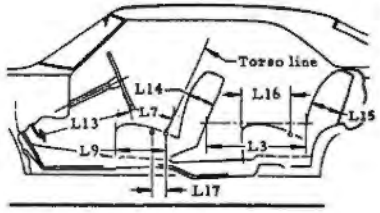

Roof panel - CLO
Headlining - CLO
H37
H38
8°
8°
H Point
H32
H33
H58
H31
Heel point

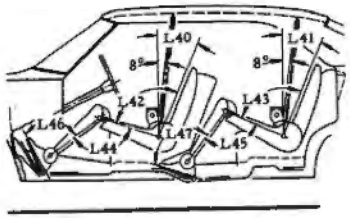

H49
Eye ellipse
H51
H50
13°
H Point
H54
H55
D Point

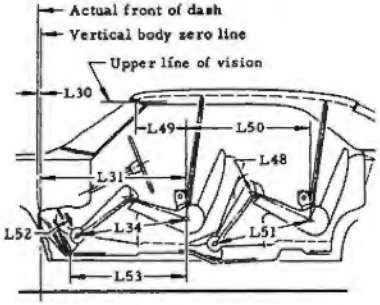

19" Plane
D Point - Car CL
H69
10°
H Point
H65
D Point - CLO
H66

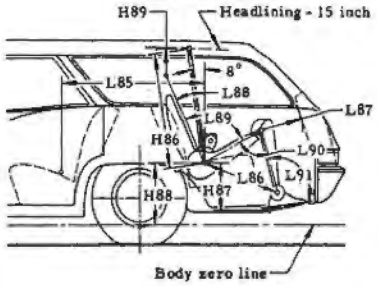

Headlining - CLO
Upper line of vision
8°
8°
H61
H63
H67
H68
Heel point

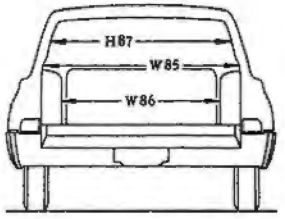

Headlining - CLO
H75
H76
T Point
H73
H70
H74
H71
Heel hard
Body zero line


Torso line
L14
L16
L13
L7
L15
L9
L3
L17


L40
L41
8°
8°
L42
L43
L46
L47
L44
L45


Actual front of dash
Vertical body zero line
Upper line of vision
L30
L49
L50
L48
L31
L52
L34
L51
L53


H89
Headlining - 15 inch
8°
L85
L88
L87
L89
H86
L90
L86
L91
H88
H87
Body zero line


H87
W85
W86

CAR AND BODY DIMENSIONS *
AMA SPECIFICATIONS SUPPLEMENT

INTERIOR

	CODE NO	DESCRIPTION	HORNET 2-Door Sedan 7106-0 7106-1 7106-7	HORNET 4-Door Sedan 7105-0 7105-7	HORNET 4-Door Wagon 7108-7	GREMLIN 2-Door Sedan 7146-0 2-Pass.	GREMLIN 2-Door Sedan 7146-5 4-Pass.	MATADOR 4-Door Sedan 7115-7	MATADOR 2-Door Hardtop 7119-7	MATADOR 4-Door Wagon 7118-7	AMBASSADOR 4-Door Sedan 7185-2 7185-5 7185-7	AMBASSADOR 2-Door Hardtop 7189-5 7189-7	AMBASSADOR 4-Door Wagon 7186-5 7188-7	JAVELIN 2-Door Hardtop 7179-5 7179-7 7179-8
FRONT COMPARTMENT	L31	BODY ZERO LINE TO H POINT	43.44	43.44	43.44	43.44	43.44	43.92	43.92	43.92	43.92	43.92	43.92	45.00
	H70	H POINT TO BODY ZERO	10.85	10.85	10.85	10.85	10.85	11.84	11.84	11.84	11.84	11.84	11.84	10.20
	H61	EFFECTIVE HEAD ROOM	38.00	38.00	38.00	38.00	38.00	39.60	38.95	39.88	39.60	38.95	39.88	37.50
	H37	HEADLINING TO ROOF HEIGHT	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50
	L34	MAXIMUM EFFECTIVE LEG ROOM - ACCELERATOR	41.05	41.05	41.05	41.05	41.05	41.80	41.80	41.80	41.80	41.80	41.80	42.45
	H30	H POINT TO HEEL POINT	8.72	8.72	8.72	8.72	8.72	9.72	9.72	9.72	9.72	9.72	9.72	8.12
	H67	DEPRESSED FLOOR COVERING THICKNESS	.35	.35	.35	.35	.35	.45	.45	.45	.45	.45	.45	.45
	L40	BACK ANGLE	24°	24°	24°	24°	24°	24°	24°	24°	24°	24°	24°	24°
	L42	HIP ANGLE	94°	94°	94°	94°	94°	100°20'	100°20'	100°20'	100°20'	100°20'	100°20'	102°
	L44	KNEE ANGLE	123°	123°	123°	123°	123°	134°10'	134°10'	134°10'	134°10'	134°10'	134°10'	143°50'
	L46	FOOT ANGLE	70°	70°	70°	70°	70°	84°	84°	84°	84°	84°	84°	93°30'
	H65	D POINT DIFFERENTIAL, SIDE TO CENTER	.30	.30	.30	.30	.30	.0	.0	.0	.0	.0	.0	.0
	H54	D POINT TO TUNNEL	.50	.50	.50	.50	.50	1.42	1.42	1.42	1.42	1.42	1.42	.36
	L53	H POINT TO ACCELERATOR FLOOR POINT	33.62	33.62	33.62	33.62	33.62	34.12	34.12	34.12	34.12	34.12	34.12	34.80
	L17	H POINT TRAVEL	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93
	H58	H POINT RISE	.81	.81	.81	.81	.81	.86	.86	.86	.86	.86	.86	.86
	H75	EFFECTIVE T POINT HEADROOM - FRONT	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
REAR COMPARTMENT	L50	H POINT COUPLE DISTANCE	32.14	32.14	32.14	- - -	24.50	34.82	31.69	34.82	34.82	31.69	34.82	27.75
	H71	H POINT TO BODY ZERO	10.85	10.85	10.85	- - -	11.95	12.54	11.84	12.54	12.54	11.84	12.54	10.00
	H63	EFFECTIVE HEAD ROOM	37.00	37.00	37.40	- - -	36.40	37.47	36.60	38.71	37.47	36.60	38.71	35.60
	H38	HEADLINING TO ROOF HEIGHT	.50	.50	.50	- - -	.50	.50	.50	.50	.50	.50	.50	.50
	L51	MINIMUM EFFECTIVE LEG ROOM	36.75	36.75	36.75	- - -	29.00	38.60	35.50	38.60	38.60	35.50	38.60	30.80
	H31	H POINT TO HEEL POINT	11.05	11.05	11.05	- - -	12.15	10.82	10.10	10.82	10.82	10.10	10.82	10.25
	H68	DEPRESSED FLOOR COVERING THICKNESS	.35	.35	.35	- - -	.35	.45	.45	.45	.45	.45	.45	.45
	L48	KNEE CLEARANCE	3.65	3.65	3.65	- - -	1.50	5.70	3.30	5.70	5.70	3.30	5.70	1.25
	L3	REAR COMPARTMENT ROOM	26.07	26.07	26.07	- - -	20.90	29.60	26.26	29.60	29.60	26.26	29.60	21.90
	L41	BACK ANGLE	21°	21°	21°	- - -	21°	18°	18°	18°	18°	18°	18°	20°
	L43	HIP ANGLE	85°	85°	85°	- - -	85°	85°40'	78°	85°40'	85°40'	78°	85°40'	75°30'
	L45	KNEE ANGLE	99°	99°	99°	- - -	67°	108°	92°	108°	108°	92°	108°	79°
	L47	FOOT ANGLE	108°	108°	108°	- - -	83°	134°	126°	134°	134°	126°	134°	114°
	H66	D POINT DIFFERENTIAL, SIDE TO CENTER	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
	H55	D POINT TO TUNNEL	1.66	1.66	1.66	- - -	.35	1.01	1.01	1.01	1.01	1.01	1.01	- - -
	H76	EFFECTIVE T POINT HEADROOM - REAR	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
SEAT & ENTRANCE-FRONT	W3	SHOULDER ROOM	54.88	54.88	54.88	54.88	54.88	60.00	60.00	60.00	60.00	60.00	60.00	55.00
	W5	HIP ROOM	54.88	54.88	54.88	54.88	54.88	60.30	60.30	60.30	60.30	60.30	60.30	57.60
	W16	SEAT WIDTH	47.34	47.34	47.34	47.34	47.34	53.60	53.60	53.60	53.60	53.60	53.60	54.00
	H50	UPPER BODY OPENING TO GROUND	48.45	48.45	48.45	47.40	47.40	50.13	48.66	50.95	49.86	50.33	51.18	45.52
	H11	ENTRANCE HEIGHT	30.33	30.33	30.33	30.33	30.33	30.68	31.30	30.68	30.68	31.30	30.68	29.89
	H115	STEP HEIGHT - FRONT (DESIGN LOAD)	14.06	14.06	13.98	13.18	13.18	13.79	13.72	14.89	14.00	13.93	15.15	12.50
	H130	STEP HEIGHT - FRONT (CURB LOAD)	14.90	14.90	14.50	14.84	14.84	15.45	15.44	16.85	15.66	15.65	17.06	13.50
	L18	ENTRANCE - FOOT CLEARANCE	17.65	17.65	17.65	17.65	17.65	15.33	15.33	15.33	15.33	15.33	15.33	16.60
	H32	SEAT CUSHION DEFLECTION	3.68	3.68	3.68	3.68	3.68	3.77	3.77	3.77	3.77	3.77	3.77	2.68
	L14	THICKEST POINT OF SEAT BACK, AT C/L O	5.50	5.50	5.50	4.50	4.50	5.45	5.45	5.45	5.45	5.45	5.45	5.10
	W17	HAT ROOM	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
	H3	SEAT CHAIR HEIGHT	10.95	10.95	10.95	10.95	10.95	12.15	12.15	12.15	12.15	12.15	12.15	10.80
	H73	H POINT TO HEEL HARD - FRONT	9.12	9.12	9.12	9.12	9.12	10.16	10.16	10.16	10.16	10.16	10.16	8.54
	L9	SEAT DEPTH - FRONT	20.58	20.58	20.58	20.58	20.58	20.78	20.78	20.78	20.78	20.78	20.78	20.50
	H26	INTERIOR BODY HEIGHT - METAL TO METAL AT CAR C/L	39.00	39.00	39.00	39.00	39.00	42.00	41.30	42.20	42.00	41.30	42.20	38.89
	H27	INTERIOR BODY HEIGHT - METAL TO METAL AT C/L O	44.50	44.50	44.50	44.50	44.50	46.00	45.30	46.25	46.00	45.30	46.25	44.39
SEAT & ENTRANCE-REAR	W4	SHOULDER ROOM	53.32	53.32	53.32	- - -	52.96	60.00	59.00	60.00	60.00	59.00	60.00	53.20
	W6	HIP ROOM	54.40	54.40	54.40	- - -	52.96	60.40	59.50	60.40	60.40	59.50	60.40	56.38
	H51	UPPER BODY OPENING TO GROUND	- - -	48.12	48.36	- - -	- - -	49.06	- - -	50.64	49.24	- - -	50.78	- - -
	H12	ENTRANCE HEIGHT	- - -	30.10	30.06	- - -	- - -	29.52	- - -	29.52	29.52	- - -	29.52	- - -
	H116	STEP HEIGHT - REAR (DESIGN LOAD)	- - -	13.27	13.75	- - -	- - -	13.30	- - -	14.88	13.47	- - -	15.02	- - -
	H131	STEP HEIGHT - REAR (CURB LOAD)	- - -	14.90	13.95	- - -	- - -	15.32	- - -	16.94	15.53	- - -	17.15	- - -
	H69	EXIT HEIGHT	- - -	28.95	28.95	- - -	- - -	29.13	- - -	29.13	29.13	- - -	29.13	- - -
	L19	ENTRANCE - FOOT CLEARANCE	- - -	10.60	10.60	- - -	- - -	13.04	- - -	13.04	13.04	- - -	13.04	- - -
	H33	SEAT CUSHION DEFLECTION	4.20	4.20	4.20	- - -	4.50	3.62	- - -	3.62	3.62	- - -	3.62	4.36
	L15	THICKEST POINT OF SEAT BACK, AT C/L O	6.80	6.80	6.80	- - -	2.75	7.50	7.40	6.24	7.50	7.40	6.24	6.20
	W18	HAT ROOM	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
	H8	SEAT CHAIR HEIGHT	13.15	13.15	13.15	- - -	13.60	12.84	12.65	12.84	12.84	12.65	12.84	12.58
	H74	H POINT TO HEEL HARD - REAR	11.38	11.38	11.38	- - -	12.48	11.46	10.75	11.46	11.46	10.75	11.46	10.70
	L16	SEAT DEPTH - REAR	19.50	19.50	19.50	- - -	17.00	20.14	19.91	20.14	20.14	19.91	20.14	19.32
	H28	INTERIOR BODY HEIGHT - METAL TO METAL AT CAR C/L	36.90	36.90	36.90	- - -	37.80	39.75	38.20	40.80	39.75	38.20	40.80	37.80
	H29	INTERIOR BODY HEIGHT - METAL TO METAL AT C/L O	40.50	40.50	40.50	- - -	41.10	41.50	40.10	42.75	41.50	40.10	42.75	38.40
VISION & CONTROL	H6	H POINT TO WINDSHIELD BOTTOM DLO	19.09	19.09	19.09	19.09	19.09	19.29	19.29	19.29	19.29	19.29	19.29	19.76
	H64	H POINT TO WINDSHIELD UPPER DLO	32.12	32.12	32.00	32.12	32.12	32.23	32.23	32.23	32.23	32.23	32.23	31.03
	L49	H POINT TO WINDSHIELD UPPER DLO	11.38	11.38	11.38	11.38	11.38	15.00	15.00	15.00	15.00	15.00	15.00	13.78
	H25	BELT HEIGHT - FRONT	17.02	17.02	17.02	16.89	16.89	17.52	17.52	17.52	17.52	17.52	17.52	17.10
	W7	STEERING WHEEL CENTER TO CENTERLINE OF CAR	13.67	13.67	13.67	13.67	13.67	15.05	15.05	15.05	15.05	15.05	15.05	13.67
	W9	STEERING WHEEL OUTSIDE DIAMETER	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
	H18	STEERING WHEEL ANGLE - VERTICAL	19°23'	19°23'	19°23'	19°23'	19°23'	20°4'	20°4'	20°4'	20°4'	20°4'	20°4'	17°50'
	H49	H POINT TO TOP OF STEERING WHEEL	22.81	22.81	22.81	22.81	22.81	22.95	22.95	22.95	22.95	22.95	22.95	22.82
	L7	STEERING WHEEL TORSO CLEARANCE	12.25	12.25	12.25	11.25	11.25	12.64	12.64	12.64	12.64	12.64	12.64	11.86
	H13	STEERING WHEEL THIGH CLEARANCE	3.32	3.32	3.32	2.98	2.98	5.20	5.20	5.20	5.20	5.20	5.20	4.91
	L13	BRAKE PEDAL KNEE CLEARANCE		23.38 Manual, 26.20 Power					24.50 Manual, 26.88 Power					23.60 a
	L52	BRAKE PEDAL TO ACCELERATOR		3.65 Manual, .95 Power					4.36 Manual, 1.96 Power					3.70 b
	W122	TUMBLE-HOME	25°	25°	25°	25°	25°	21°6'	21°6'	21°6'	21°6'	21°6'	21°6'	23°50'

* For Dimension Definitions See Section E1, SAE Aerospace - Automotive Drawing Standards,

(a) Power 26.32 (b) Power 1.00

STATION WAGON THIRD SEAT DIMENSIONS *
AMA SPECIFICATIONS SUPPLEMENT

CODE NO	DESCRIPTION	MATADOR 4-Door Wagon 7118-7	AMBASSADOR 4-Door Wagon 7188-5 7188-7	
	SEAT FACING DIRECTION	Rear	Rear	
W85	SHOULDER ROOM	59.25	59.25	
W86	HIP ROOM	38.12	38.12	
L85	H POINT COUPLE DISTANCE	35.66	35.66	
H86	EFFECTIVE HEAD ROOM	36.00	36.00	
L86	EFFECTIVE LEG ROOM	30.75	30.75	
H87	H POINT TO HEEL POINT	12.58	12.58	
H88	H POINT TO BODY ZERO	14.25	14.25	
L87	KNEE ROOM	12.66	12.66	
L88	BACK ANGLE	14°	14°	
L89	HIP ANGLE	73°	73°	
L90	KNEE ANGLE	72°	72°	
L91	FOOT ANGLE	91°	91°	
W87	HAT ROOM	13.02	13.02	
H89	EFFECTIVE T POINT HEADROOM	N.A.	N.A.	
H90	H POINT TO HEEL HARD	12.91	12.91	

STATION WAGON CARGO SPACE DIMENSIONS *
(FOR 2- & 3-SEAT MODELS)

		MATADOR 4-Door Wagon 7118-7	AMBASSADOR 4-Door Wagon 7188-5 7188-7	HORNET 4-Door Wagon (Sportabout) 7108-7
L200	MAXIMUM CARGO LENGTH - FRONT SEAT	114.90	114.90	74.30
L201	MAXIMUM CARGO LENGTH - SECOND SEAT	78.83	78.83	43.18
L202	CARGO LENGTH AT FLOOR - FRONT SEAT	92.63	92.63	74.30
L203	CARGO LENGTH AT FLOOR - SECOND SEAT	56.53	56.53	43.18
L204	CARGO LENGTH AT BELT - FRONT SEAT	82.73	82.73	70.58
L205	CARGO LENGTH AT BELT - SECOND SEAT	46.74	46.74	44.24
L206	CARGO LENGTH AT ROOF - FRONT SEAT	75.33	75.33	45.72
L207	CARGO LENGTH AT ROOF - SECOND SEAT	39.36	39.36	19.38
W200	CARGO WIDTH - FRONT	(1)	(1)	54.64
W201	CARGO WIDTH - WHEELHOUSE	45.08	45.08	41.50
W203	REAR OPENING WIDTH AT FLOOR	53.66	53.66	- - -
W204	OPENING WIDTH AT BELT	53.60	53.60	52.00
W205	MAXIMUM REAR OPENING WIDTH ABOVE BELT	45.60	45.60	40.76
H201	MAXIMUM CARGO HEIGHT	31.72	31.72	27.90
H202	REAR OPENING HEIGHT	27.84	27.84	25.78
H250	TAILGATE TO GROUND HEIGHT	25.58	25.48	30.06
V2	CARGO VOLUME	91.12(2)	91.12(2)	60.76(3)

* For Dimension Definitions See Section E1, SAE Aerospace - Automotive Drawing Standards,

(1) 2-Seat: 57.12 (1" Forward of Tailgate Pillar)
3-Seat: 53.86 (8" Forward of Tailgate Pillar)
(2) Plus 8.0 cu. ft. under-floor storage space.
(3) Plus 3.8 cu. ft. under-floor storage space.

AMA Specifications Form—Passenger Car

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American
Motors