AMA Specifications—Passenger Car

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MANUFACTURER	CAR NAME	
AMERICAN MOTORS CORPORATION	•Rebel •AMX •Rambler •Ambassador •Javelin	
MAILING ADDRESS	MODEL YEAR	ISSUED: Oct. 1, 1968
14250 Plymouth Rd., Detroit, Michigan 48232	1969	REVISED (e)

NOTES: C. Chakmakian, Manager - Performance Activities, Phone 493-2677 (AC 313)

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.

"TORQUE-COMMAND" identifies 6-cylinder engines.
"TYPHOON" identifies 290 & 343 CID V-8's. "AMX" identifies 390 CID V-8.

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BODY – TYPES AND STYLE NAMES – Body type, style names; use manufacturer's code for series & body style.

	2-DOOR SEDAN	4-DOOR SEDAN	4-DOOR WAGON	2-DOOR HARDTOP
6901: RAMBLER				
BASE (Six)	6906	6905	- - -	- - -
440 (Six & V-8)	- - -	6905-5	6908-5	- - -
ROGUE (Six & V-8)	- - -	- - -	- - -	6909-7
6910: REBEL (Six & V-8)				
BASE	- - -	6915	6918	6919
SST	- - -	6915-7	6918-7	6919-7
6930: AMX (V-8)	- - -	- - -	- - -	6939-7
6970: JAVELIN (Six & V-8)				
BASE	- - -	- - -	- - -	6979-5
SST	- - -	- - -	- - -	6979-7
6980: AMBASSADOR				
BASE (Six & V-8)	- - -	6985-2	- - -	- - -
DPL (Six & V-8)	- - -	6985-5	6988-5	6989-5
SST (V-8)	- - -	6985-7	6988-7	6989-7

All Rambler Models have 6-Passenger room.
All Javelin Models have 4-Passenger room. AMX Sports Coupe has 2-Passenger room.
All Rebel & Ambassador Models have 6-Passenger room except:
8-Pass. for Rebel SST,& Ambassador DPL & SST 3-Seat Wagon Option.
5-Pass. for Rebel SST & Ambassador SST Hardtops with Optional Bucket Seats & Console.
Reclining Bucket Seats with Fold-Down Armrest & Center Cushion (or Console) optional on Rebel SST Hardtop & Ambassador SST Hardtop.
Reclining Buckets Standard on Javelin SST & AMX (Console,or Center Armrest & Cushion,Opt).
Non-Reclining Buckets Standard on Javelin (Console,or Center Armrest & Cushion, Opt).
Individually-Adjustable Reclining Seats Standard on Ambassador SST Models (Optional on all other models, N.A. on Javelin & AMX).
All Rebel & Ambassador "Cross Country" Wagons have Dual-Hinged Tailgates Standard.

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CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

All dimensions to ground are for comparative purposes only and are shown with vehicle load of two passengers in front and three in rear, except where otherwise noted.

MODEL	SAE Ref. No.	RAMBLER 6901		REBEL 6910		AMBASSADOR 6980	JAVELIN 6970		AMX 6930
WIDTH		6	V-8	6 Exc.Wag.	V-8 &6 Wag.	6 & V-8	6	V-8	V-8
Track – Front	W101	56.24	56.85	59.81	60.00	60.00	58.18	58.80	58.80
Track – Rear	W102	55.00	55.27	60.00		60.00	57.00		57.00
Maximum overall car width	W103	70.84		77.24		77.24	71.89		71.57
Body width at No. 2 pillar	W117	67.50		75.46		75.46	69.71		69.71
LENGTH									
Body "O" to front of dash	L 30	1.50		1.50		1.50	1.50		1.50
Wheelbase	L101	106.00		114.00		122.00	109.00		97.00
Overall car length	L103	181.00		197.00(198Wag)		206.50 (207Wag)	189.22		177.22
Overhang – front	L104	31.70		31.90		32.90	39.70		39.70
Overhang – rear	L105	43.30		51.10(52.1Wag)		51.60(52.1Wag)	40.52		40.52
Body upper structure length	L123	97.81(130.48Wag)		104.70 (1)		104.37 (2)	102.03		90.03
Body "O" line to ℄ of rear wheel	L127	95.00		100.00		100.00	95.00		83.00
Body "O" line to w/s cowl point	L130	6.72		7.50		7.23	7.95		7.95
HEIGHT Sedan	H101	54.24		55.00		55.00	- - -		- - -
Hardtop	H101	53.36		54.25		54.20	51.81		51.73
Overall height Wagon	H101	55.24		56.13		56.53	- - -		- - -
Cowl height	H114	36.38		38.44		38.34	36.65		36.54
Deck height	H138	- - -		- - -		- - -	- - -		- - -
Rocker panel – front: To ground	H112	8.00		9.18		9.06	8.66		8.58
Rocker panel – front: From front wheel ℄	H112	- - -		- - -		- - -	- - -		- - -
Rocker panel – rear: To ground	H111	8.11		7.69		7.80	8.22		8.58
Rocker panel – rear: From rear wheel ℄	H111	- - -		- - -		- - -	- - -		- - -
Windshield slope angle	H122	48°19'		54°6'		54°6'	59°7'		59°7'
GROUND CLEARANCE									
Bumper to ground – front	H102	13.34		12.93		12.42	13.27		12.79
Bumper to ground – rear	H104	12.16		10.34		10.60	16.00		16.73
Angle of approach	H106	27°23'		27°46'		25°27'	24°45'		23°5'
Angle of departure	H107	17°26'		13°59'		14°14'	23°48'		25°
Ramp breakover angle	H147	17°7'		16°59'		14°35'	16°55'		19°24'
Min. running clearance (Specify)	H156	5.95(BellHouse)		5.92(BellHouse)		6.00(BellHouse)	6.51(Exhaust)		5.29 (Exh.)

See Page 26A, 26B and 26C for complete dimensions on all body styles.

(1) Hardtop ... 109.64
Wagon 135.86

(2) Hardtop ... 110.23
Wagon 135.86

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CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	RAMBLER			REBEL & AMBASSADOR			JAVELIN	AMX
FRONT COMPARTMENT		2&4-Dr. Sedan	4-Door Wagon	2-Door Hardtop	4-Door Sedan	4-Door Wagon	2-Door Hardtop	2-Door Hardtop	2-Door Hardtop
Effective head room	H61	39.00	39.30	38.20	39.80		38.70	37.50	37.20
Max. eff. leg room – accelerator	L34	42.00			42.60			43.30	43.30
H Point to Heel point	H30	9.64			9.64			7.78	7.78
H Point travel	L17	4.93			4.93			4.93	4.93
Shoulder room	W 3	54.84			60.00			55.00	55.00
Hip room	W 5	57.40			60.30			57.60	57.60
Upper body opening to ground	H50	49.13	50.02	48.62	49.63	50.12	49.62	47.43	47.50
REAR COMPARTMENT W5@Armrest		53.10			56.00			52.90	52.90
H Point couple distance	L50	31.08			34.77		31.69	27.75	- - -
Effective head room	H63	36.60	37.00	36.50	37.75	38.60	36.50	36.00	- - -
Min. effective leg room	L51	35.00	35.50	35.00	38.60		35.50	31.50	- - -
H Point to Heel point	H31	11.04			10.82		10.10	10.25	- - -
Min. knee room	L48	2.86			5.70		3.30	1.25	- - -
Rear Compartment room	L 3	24.82		24.76	29.60		26.26	24.20	- - -
Shoulder room	W 4	54.82		54.20	60.00		59.00	53.20	- - -
Hip room	W 6	57.12		56.38	60.40		59.50	56.38	- - -
Upper body opening to ground	H51	48.72	49.68	- - -	48.31	49.59	- - -	- - -	- - -
LUGGAGE COMPARTMENT W6@Armrest Not Wagons		54.12		53.13	56.10		56.50	56.38	- - -
Usable luggage capacity	V 1	12.00	- - -	12.00	18.20	- - -	18.20	10.20(1)	9.60
Liftover height	H195	28.11	- - -	28.09	28.06	- - -	28.06	28.11	28.84
Position of spare tire storage		Flat, Right, Rear			Tilted, Center, Front			(2)	(3)
Method of holding lid open		Counterbalanced Torsion Bar			Flat Wound Spring				
STATION WAGON – THIRD SEAT									
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	76.78			92.63			- - -	- - -
Cargo length at belt – front seat	L204	70.00			82.73			- - -	- - -
Cargo width – wheelbase	W201	41.80			45.08			- - -	- - -
Opening width at belt	W204	50.00			53.60			- - -	- - -
Maximum cargo height	H201	29.69			31.72			- - -	- - -
Rear opening height	H202	26.20			27.84			- - -	- - -
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	66.00			91.12			- - -	- - -

(1) 11.70 Cubic Feet with optional "Space-Saver" Spare.

(2) Javelin: Tilted, Right, Front (with optional "Space-Saver" Spare, located "Flat, Right, Rear").

(3) AMX: Flat, Right, Rear ("Space-Saver" Spare)

See Page 26A, 26B and 26C for complete dimensions on all body styles.

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POWER TEAMS

(Indicate whether standard or optional)

ENGINE				
Displ. cu. in.	Carburetor	Compr. Ratio	BHP RPM	Torque RPM
199 Six	1-Barrel (Regular Fuel)	8.5	128@ 4400	182@ 1600
232 Six	1-Barrel (Regular Fuel)	8.5	145@ 4300	215@ 1600
232 Six	2-Barrel (Regular Fuel)	8.5	155@ 4400	222@ 1600
290 V-8	2-Barrel (Regular Fuel)	9.0	200@ 4600	285@ 2800
290 V-8	4-Barrel (Premium Fuel)	10.0	225@ 4700	300@ 3200
343 V-8	2-Barrel (Regular Fuel)	9.0	235@ 4400	345@ 2600
343 V-8	4-Barrel (Premium Fuel)	10.2	280@ 4800	365@ 3000
390 V-8	4-Barrel (Premium Fuel)	10.2	315@ 4600	425@ 3200

** Javelin uses Floor Shift.

Optional Axle Ratios listed are available at extra cost. (less or with "Twin-Grip" &/or A.C.).

*For Javelin & AMX: with optional 343 or 390 "Performance Group" & Shift-Command; 3.15 Std., 2.87 Opt.

Dealer Kit Extra-Cost Ratios: 3.73, 3.91, 4.10, 4.44 & 5.00:1.

1969	Engine Transmission Axle Ratio Combinations	3-Speed Manual Column Shift **	Over-drive Column Shift	Shift-Command Column Shift	Shift-Command Console Shift	4-Speed Manual Floor Shift
RAMBLER	199, 1-Bbl., Std. Sedans Less AC	3.08 Std.	3.31 Std.	2.73 Std. 3.08 Opt.	N.A.	
	199, 1-Bbl., Std. Wagons (plus Sedans W/AC			3.08 Std. 2.73 Opt.		
	232, 1-Bbl., Opt. Sedans & Wag.	3.08 Std. 3.31 Opt.		3.08 Std. 3.31 Opt.		
	232, 1-Bbl., Std. Hardtop			2.37 Std. 3.08 Opt.		
	290, 2-Bbl., Std. 440's & Hardtop	N.A.	N.A.	2.87 Std. 3.15 Opt.	N.A.	
	290, 4-Bbl., Opt. Hardtop	N.A.		N.A.		3.54 Std.
AMX & JAVELIN	232, 1-Bbl., Std. (N.A. AMX)	3.08 Std. 3.31 Opt.	N.A.	3.08 Std. 3.31 Opt.	N.A.	
	290, 2-Bbl., Std. (N.A. AMX)	3.15 Std.		2.87 Std. 3.15 Opt.	2.87 Std. 3.15 Opt	N.A.
	290, 4-Bbl., Opt. (Std. AMX)	N.A.		N.A.	2.87 Std. 3.15 Opt. (AMX)	3.54 Std.
	343, 4-Bbl., Opt.			*2.87 Std. 3.15 Opt.	*2.87 Std. 3.15 Opt.	3.54 Std. 3.15 Opt.
	390, 4-Bbl., Opt.			NA 390		
REBEL & AMBASSADOR	Std. 232, 1-Bbl. (N.A. AMB.)	3.15 Std.	3.54 Std.	3.15 Std.	N.A.	
	232, 2-Bbl. Std. Amb.		N.A.			
	290, 2-Bbl., Std.	N.A.		2.87 Std. 3.15 Opt.		
	343, 2-Bbl., Opt.	N.A.		2.87 Std. 3.15 Opt.	N.A.	N.A.
	343, 4-Bbl., Opt.			2.87 Std. 3.15 Opt.		
	390, 4-Bbl. Opt. (N.A. REBEL)					

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MODEL / Availability On Page 3	199 CID SIX 1-B. Carb.	232 CID SIX 1 & 2-B. Carb.	290 CID V-8 2 & 4-B. Carb.	343 CID V-8 2 & 4-B. Carb.	390 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 3.00	3.75 x 3.50	3.75 x 3.28	4.08 x 3.28	4.165 x 3.574
Piston displacement, cu. in.	199	232	290	343	390
Bore spacing (℄ to ℄)	4.38		4.75		
No. system (front to rear) L. Bank	1-2-3-4-5-6		1-3-5-7		
No. system (front to rear) R. Bank	- -		2-4-6-8		
Firing order	1-5-3-6-2-4		1-8-4-3-6-5-7-2		
Compres. ratio (nominal)	8.5		9.0(10.0 4-B.)	9.0(10.2 4-B.)	10.2
Cylinder Head Material	Cast Iron				
Cylinder Block Material	Cast Iron				
Cyl. Sleeve-Wet,dry,none	None				
Number of mtg. points Front	Two				
Number of mtg. points Rear	One				
Engine installation angle	Vertical				
Taxable horsepower $\frac{Dia^2 \times No.\ Cyl.}{2.5}$	33.75		45.00	53.27	55.51
Publishing max. bhp* @ eng. RPM	128 @4400	1-B.,145 @4300 2-B.,155 @4400	2-B.,200 @4600 4-B.,225 @4700	2-B.,235 @4400 4-B.,280 @4800	315 @4600
Publishing max. torque * (lb. ft. @ RPM)	182 @1600	1-B.,215 @1600 2-B.,222 @1600	2-B.,285 @2800 4-B.,300 @3200	2-B.,345 @2600 4-B.,365 @3000	425 @3200
Recommended fuel regular – premium	Regular		2-B., Regular 4-B., Premium	2-B., Regular 4-B., Premium	Premium
ENGINE – PISTONS					
Material	Aluminum Alloy with Steel Insert				
Description and finish	"Conformatic" Concave-Top, Solid Skirt Tin Plate, Steel-Ring Insert		"Conformatic" Flat-Top,w/Valve Pockets+Relief,Solid Skirt Tin Plate, Steel-Ring Insert (1)		
Weight (piston only) oz.	18.30	17.53	18.80	21.27	22.10
Clearance (limits) Top land	.0280 - .0320		.0280 - .0320		
Clearance (limits) Skirt Top	.0009 - .0025		.0009 - .0025		
Clearance (limits) Skirt Bottom	.0009 - .0015		.0009 - .0015		
Ring groove depth No. 1 ring	.1930 - .1970		.1930 - .1970		
Ring groove depth No. 2 ring	.1930 - .1970		.1930 - .1970		
Ring groove depth No. 3 ring	.1923 - .1943		.1900 - .1905		
Ring groove depth No. 4 ring	None				

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

(1) For 4-B. 290 CID, 2-&4-B. 343 CID, & 4-B. 390 CID:
"Autothermic," Flat-Top with Valve Pockets,
Slipper Skirt, Tin Plate, Steel-Strut Inserts.

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 3	199 & 232 CID SIXES	290, 343 & 390 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	Description - material, coating, etc. #1	Alloy Iron, Parco Lubrite, Molybdenum-Filled Face	
	#2	Alloy Iron, Parco Lubrite or Granoseal	
	Width	#1 .0775-.0780, #2 .0770-.0780	
	Gap	.010 - .020	
Oil	Description - material, coating, etc.	Three Piece, Steel Rail Type Rail Faces Chrome Plated	
	Width	.0245 Each Rail	
	Gap	.015 - .055	
Expanders		Combination Expander - Spacer Located Between Oil Ring Rails.	
ENGINE – PISTON PINS			
Material		SAE #1016 Steel	
Length		3.187	290 & 343: 3.187 (390: 2.94)
Diameter		.93	290 & 343: .93 (390: 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	.003 - .005	
	In rod	Press Fit (Locked)	
Direction & amount offset in piston		.0625 Toward Major Thrust Side	
ENGINE – CONNECTING RODS			
Material		Cast Malleable Iron, Pearlitic	290&343; Cast Malleable Iron, Pearlitic(1) 390; SAE 1042 Mod., Forged Steel
Weight (oz.)		199;23.31 (232; 24.65)	290 & 343; 24.16 (390; 26.03)
Length (center to center)		199;6.125 (232; 5.875)	290 & 343; 5.875 (390; 5.790)
Bearing	Material & Type	Steel-Backed, Alloy Lining Removable Detroit Alum. D52A Federaloy H-35LT	290&343; Clevite F-77 or Federaloy AT-20 or 390; Clevite F-77 or Federaloy H-24 H-24
	Overall length	.860	290 & 343; .860 (390; .800)
	Clearance (limits)	.001 - .0015	.001 - .002
	End play	.008 - .010	.009 - .015 (Two Rods)

(1) Special Service Rods for 290 & 343; SAE 4340 Forged Steel (Dealer Kit).

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MODEL	Availability On Page 3		199 & 232 CID SIXES	290, 343 & 390 CID V-8's
ENGINE – CRANKSHAFT				
Material			Cast Malleable Iron, Pearlitic, or Nodular Iron (SAE 1046 Forged Steel in 390 V-8) (1)	
Vibration damper type			Rubber & Friction	
End thrust taken by bearing (No.)			#3	#1
Crankshaft end play			.004 - .008	.003 - .008
Main bearing	Material & type		Steel-Backed, Alloy Lining	290&343; Clevite F-500 or Federaloy H-35LT 390; Clevite F-77 or Federaloy H-24
	Clearance		SAE-15 Micro-Babbitt (Federaloy or Detroit Alum.) .001 - .002	
	Journal dia. and bearing overall length	No. 1	Removable 2.4988 - 2.4995 x .981	2.7464 - 2.7479 x .941 (x .9385 in 390V-8)
		No. 2	2.4988 - 2.4995 x .981	2.7464 - 2.7479 x .941 (x .9385 in 390V-8)
		No. 3	2.4988 - 2.4995 x 1.2685	2.7464 - 2.7479 x 1.2685
		No. 4	2.4988 - 2.4995 x .981	2.7464 - 2.7479 x .941 (x .9385 in 390V-8)
		No. 5	2.4988 - 2.4995 x .981	2.7464 - 2.7479 x .941 (x .9385 in 390V-8)
		No. 6	2.4988 - 2.4995 x .981	- -
		No. 7	2.4988 - 2.4995 x .981	- -
	Dir. & amt. cyl. offset		None	
Crankpin journal diameter			2.0948 - 2.0955	2.0934 - 2.0955 (2.2471 - 2.2492 in 390V-8)
ENGINE – CAMSHAFT				
Location			Right Side	Center Between Cylinder Banks
Material			Special Cast-Iron Alloy	
Bearings	Material		Steel-Backed, Micro-Babbitt Alloy, SAE-15	
	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
ENGINE – VALVE SYSTEM				
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	

(Continued)

(1) Special Service Crankshaft for 290 & 343; SAE 1046 Forged Steel (Dealer Kit).

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MODEL	Availability On Page 3		199 & 232 CID SIXES	290, 343 & 390 CID V-8's	
ENGINE – VALVE SYSTEM (cont.)				Standard Cam	Dealer Kit Hi-Perf. Cam
Timing (based on top of ramp points)	Intake	Opens (°BTC)	12° - 30'	18°30'	46°
		Closes (°ABC)	51° - 30'	67°30'	76°
		Duration - deg.	244°	266°	302°
	Exhaust	Opens (°BBC)	53° - 30'	60°30'	70°
		Closes (°ATC)	10° - 30'	25°30'	52°
		Duration - deg.	244°	266°	302°
	Valve opening overlap		23°	44°	98°
Intake	Material		Silichrome #1 or XB		
	Overall length		4.899		
	Actual overall head dia.		1.787	290;1.787 (343 & 390; 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)		.381	.425	.477
	Outer spring press. & length	Valve closed (lb.@in.)	95 to 105 @1.812	85 to 93@1.812	95 to 103@1.812
		Valve open (lb.@in.)	188 to 202 @1.437	193 to 207@1.387	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	4.907	
	Actual overall head dia.		1.406	290;1.406 (343 & 390; 1.625)	
	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)		.381	.425	.477
	Outer spring press. & length	Valve closed (lb.@in.)	95 to 105 @1.812	85 to 93@1.812	95 to 103@1.812
		Valve open (lb.@in.)	188 to 202 @1.437	193 to 207@1.387	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
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		

(Continued)

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MODEL	Availability On Page 3	199 & 232 CID SIXES	290, 343 & 390 CID V-8's

ENGINE – LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. engine rpm)	13#min.@600rpm, 24min.@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) Above 0° F. . .SAE 10W (or SAE 10W-30) Below 0° F. . .SAE 5W (or SAE 5W-20)
Engine Service Reqmt. (MM, MS, etc.)	MS (Certified Sequence Tested)

ENGINE – EXHAUST SYSTEM

	RAMBLER 6	RAMBLER V-8	REBEL & AMB. 6	REBEL & AMB. V-8	JAVELIN 6	JAV. & AMX V-8
Type (single, single with cross-over, dual, other)	Single	Single w/ Cross Over	Single	S. w/C.O. or Dual	Single	S. w/C.O. or Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, Reverse Flow		One, Reverse Flow	One, RevFlo or Two	One, Reverse Flow	One, RevFlo or Two
Exhaust pipe dia. (O.D., wall thick.) Front	1.88x.083	1.88x.083	1.88x.083	1.88x.083	1.88x.083	1.88x.083
Exhaust pipe dia. (O.D., wall thick.) Rear	1.75x.046	2.00x.059	1.88x.046	2.00x.059	1.88x.046	2.00x.083
Tail pipe dia. (O.D. & wall thickness)	1.62x.046	2.00x.046	1.75x.059 (1)	2.00x.059 (2)	1.75x.074	2.00x.074 (3)

ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Closed Induction System
	Optional	None
Control Unit	Make and model	Chicago Screw Co. & Novo Ind. Corp.
	Location	In-Line Between Intake Manifold & Crankcase
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold Vacuum
	Control method (variable orifice, fixed orifice, other)	Variable Orifice
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Intake Manifold (Carb. Base or Carb. Spacer Plate)
	Air inlet (breather cap, carburetor air cleaner, other)	Carburetor Air Cleaner
	Flame arrestor (screen, check valve, other)	Check Valve function designed into PCV Valve.

(1) 1.75 x .042 Tailpipe for Rebel-6 Wagon

(2) Dual Exhausts Opt. With 343 V-8.
Dual Exhausts Std. With 390 V-8.
Exh. Front.....2.00 x .083
Exh. Rear.....2.00 x .059
Tailpipe.....2.00 x .059

(3) Javelin; Dual Exhausts Opt. With 290 4-B V-8 & 343 V-8.
Javelin; Dual Exhausts Std. With 390 V-8.
AMX; Dual Exhausts Std. With all V-8's.
Exh. Front.....2.00 x .083
Exh. Rear.....2.00 x .059
Tailpipe.....2.00 x .074

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MAKE OF CAR AMERICAN MOTORS MODEL YEAR 1969 DATE ISSUED 10-1-68 REVISED (*)

MODEL	Availability On Page 3	ALL 6's. V-8's W/AUTO. TRANS.	V-8's EQUIPPED WITH MANUAL TRANSMISSION
ENGINE – EXHAUST EMISSION CONTROL			
Type (Air injection, engine modifications, other)		Engine-Mod	Air Injection (Air-Guard System)
Air Injection Pump	Type	- - -	Eccentric Vane (Saginaw Steering Gear)
	Displacement	- - -	19.3 cu.in./rev.
	Drive ratio	- - -	1.25:1
	Drive type	- - -	Belt
	Relief valve (type)	- - -	Integral
	Filter (describe)	- - -	Centrifugal Separator (non-replaceable)
Air Injection System	Air distribution (head, manifold, etc.)	- - -	Separate Header Manifold
	Point of entry	- - -	Thru Exhaust Port
	Injection tube I.D.	- - -	.285
	Check valve type	- - -	Spring-Loaded Steel Plunger w/Asbestos seat
	Backfire protection (type)	- - -	Diverter Type (Holley or Rochester)
Carburetor	Make		
	Model		
	Barrel size		
	Idle speed – Drive		
	Idle speed – Neutral		
	Idle A/F mixture		
Distributor	Aux. Adv. Systems (type)		
	Make		
	Model		
	Cent'fgal adv. in crank degrees @ eng. rpm – Start (rpm)		
	Cent'fgal adv. in crank degrees @ eng. rpm – Intermed. points deg. @ rpm		
	Cent'fgal adv. in crank degrees @ eng. rpm – Max. deg. @ rpm		
	Vacuum adv. in crank degrees @ eng. rpm – Start (in Hg)		
	Vacuum adv. in crank degrees @ eng. rpm – Intermed. points deg. @ in. Hg		
	Vacuum adv. in crank degrees @ eng. rpm – Max. deg. @ in.		
	Vacuum Source		Manifold Vacuum (Ported Above Throttle Plate)
Timing - Crank degrees @ rpm			See Page 13
Cooling System			None
Exhaust System			None

See Page 10

See Page 13

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MAKE OF CAR AMERICAN MOTORS MODEL YEAR 1969 DATE ISSUED 10-1-68 REVISED (a)

MODEL	Availability On Page 3	199 & 232 CID SIXES	290, 343 & 390 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.			Carburetor (Downdraft)	
Fuel Tank	Refill capacity (U.S. gals.)		Rambler 16; Jav/AMX 19; Rebel & Amb. 21.5 (3 seat wagon 19)	
	Filler location		(1)	
Fuel Pump	Type (elec. or mech.)		Mechanical	
	Locations		Right 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. Fuel Pump (or Carb.), Inlet Side	
Carburetor	Choke type		Automatic	
	Intake manifold heat control (exhaust or water)		199 & 232...Exhaust 232 ROGUE...Water	Exhaust
	Air cleaner type	Standard	Cellulose Fiber Element	
		Optional	None	
	Idle speed (spec. neutral or drive)	Manual	600 RPM	650 RPM
		Automatic	525 RPM	550 RPM
		Idle A/F mix.	14.0:1 ± .2A.F.R.	14.0:1 ± .2A.F.R.("Air-Guard" 13.0:1)

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
199 CID 128 HP OHV-6	199	Manual Automatic	Carter RBS Carter RBS	4633S 4634S	1,1-BBL. 1,1-BBL.	1.56 1.56
232 CID 145 HP OHV-6	232	Manual Automatic Auto (Rogue)	Carter RBS Carter RBS Holley 1931 C	4631S 4666S R-4294	1,1-BBL. 1,1-BBL. 1,1-BBL.	1.56 1.56 1.68
232 CID 155 HP OHV-6	232	Manual Automatic	Carter WCD Carter WCD	4667S 4668S	1,2-BBL. 1,2-BBL.	1.44 1.44
290 CID 200 HP V-8	290	Manual Automatic	AM(FAL) 9510A AM(FAL) 9510B	9HM2 9HA2	1,2-BBL. 1,2-BBL.	1.56 1.56
290 CID 225 HP V-8	290	Manual Automatic	Carter AFB Carter AFB	4660S 4661S	1,4-BBL. 1,4-BBL	1.44 pri. 1.69 sec.
343 CID 235 HP V-8	343	Automatic	AM(FAL) 9510C	9ZA2	1,2-BBL.	1.56
343 CID 280 HP V-8	343	Manual Automatic	Carter AFB Carter AFB	4662S 4663S	1,4-BBL. 1,4-BBL.	1.44 pri. 1.69 sec.
390 CID 315 HP V-8	390	Manual Automatic	Carter AFB Carter AFB	4664S 4665S	1,4-BBL. 1,4-BBL.	1.44 pri. 1.69 sec.

(1) **Rambler:** Center rear panel (right rear fender for wagons).
Rebel & Ambassador: Left rear fender.
Javelin & AMX: Center rear bumper.

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MAKE OF CAR AMERICAN MOTORS MODEL YEAR 1969 DATE ISSUED 10-1-68 REVISED (•)

MODEL	Availability On Page 1 & 4	199 & 232 CID SIXES	290, 343 & 390 CID V-8's
ENGINE – COOLING SYSTEM			
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)	192° to 198° (1)	192° to 198°
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	290;14 (343 & 390;13)
	Without heater (qt.)	9.5	290;13 (343 & 390;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	
	Lower — Inside diameter	1.50 Body & Rad. End 1.78 Water Pump End	1.50 Body & Rad. End 1.70 Water Pump End
	Upper — Number and type (molded, straight)	One, Molded, Curved	
	Upper — Inside diameter	1.50 Body & Rad. End 1.75 Thermostat End	1.50 Both Ends
	By-pass — Number and type (molded, straight)	None	One, Molded, Curved
	By-pass — Inside diameter	- - -	.75
Fan	Number of blades & spacing	4 Std. (7 AC & HD)	6 Std. (7 AC & HD)
	Diameter	15.62 (18 AC & HD)	17 (18 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
	~~XXXXXXX~~ 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		

(1) For Rambler Rogue with "232" Six: 202° to 209°

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MAKE OF CAR AMERICAN MOTORS MODEL YEAR 1969 DATE ISSUED 10-1-68 REVISED (*)

MODEL	Availability On Page 1 & 4	199 & 232 CID SIXES & 290 CID V-8	343 & 390 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	
		199 & 232 CID SIXES	290, 343 & 390 V-8's
	Terminal grounded	Negative	
Alternator	Make	Motorola	American Motors
	Model	35 Amp:A12NAM456(7)..(2)	35 Amp:3195534(5)..(2)
	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 (or American Motors)	
	Model	R2AM4 (AM: 3195003)	
	Type	Solid State	
	Cutout relay – Closing voltage generator rpm	N.A.	
	Cutout relay – Reverse current to open	N.A.	
	Regulated – Voltage	15	
	Regulated – Current	35 AMPS (55 Opt., Std. with A.C.)	
	Voltage test conditions – Temperature	Hot	
	Voltage test conditions – Load	10 AMPS.	
	Voltage test conditions – Other	- - -	
ELECTRICAL – STARTING SYSTEM		199 & 232 CID Sixes	290, 343 & 390 CID V-8's
Starting Motor	Make	FOMOCO	
	Model	C9FF-11001-A	C7FF-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	
	Number of teeth – Flywheel – Manual	153	164
	Number of teeth – Flywheel – Auto.	153	164
	Flywheel tooth face width – Manual	.43	
	Flywheel tooth face width – 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. (Std. with Air Cond. or "Command-Air" High-Level Vent)...A12NAM606(7).

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MODEL	Availability On Page 3		199&232 CID SIXES	290, 343 & 390 CID V-8's				
ELECTRICAL – IGNITION SYSTEM								
Type	Conventional – Std., Opt., N.A.		Standard					
	Transistorized – Std., Opt., N.A.		N.A.	"Delcotronic" Capacitor Discharge (Dealer Kit)				
	Other (specify)		- - -					
Coil	Make		Delco-Remy or American Motors					
	Model		D-R:1115294(2)	D-R:1115266 (AM:3182864)				
	Amps	Engine stopped	3.5					
		Engine idling	1.6					
Distributor	Make	Delco-Remy	199&232 SIX	290 2-B.	290 4-B.	343 2-B.	343 4-B.	390 4-B.
	Model		1110444	1111106	1111198	1111472	1111948	1111473
	Cent'fgal adv. in c shaft degrees@ engine rpm (nominal)	Start (rpm)	600-800	650-950	750	900	800	800
		Intermediate points deg.@rpm	16°-20°@2000	15°-19°@1850	15°-19°@1600	15°-19°@2000	17°-21°@2000	17°-21°@1600
		Max. deg.@rpm	24°-28°@4000	30°-34°@4400	28°-32°@3900	26°-30°@4400	28°-32°@4400	28°-32°@4400
	Vacuum adv. in c shaft degrees@ in. Hg. (nominal)	Start (in. Hg.)	5" to 7"	4" to 6"	4" to 6"	4" to 6"	4" to 6"	8" to 10"
		Intermediate points, deg.@in. Hg.	13°@11"	14°@12"	14°@12"	14°@12"	14°@12"	13°@14.3"
		Max. deg. in. Hg.	22°@16.5"	24°@18.5"	24°@18.5"	24°@18.5"	24°@18.5"	24°@19.5"
	Breaker gap (in.)		.016					
	Cam angle (deg.)		31 to 34	29 to 31				
	Breaker arm tension (oz.)		17 to 21					
Timing	Crankshaft deg.@rpm		TDC(±1°) (1)	TDC(±1°)				
	Mark location		Vibration Dampener					
Spark Plug	Make		Champion					
	Model		N-14Y	N-12Y				
	Thread (mm)		14					
	Tightening torque (lb. ft.)		30					
	Gap		.033 to .037					
Cable	Conductor type		Carbon Core Wire					
	Insulation type		Neoprene					
	Spark plug protector		Hypalon @Spark Plug, Vinyl @Distributor	Hypalon @Spark Plug, Neoprene @Distributor				
ELECTRICAL – SUPPRESSION								
Locations & type			Carbon Core Ignition Wires					

(1) 5°BTDC (±1°) for Auto. Trans. "199" Six & Rogue "232" Six.
(2) AM:3191992

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MODEL	Availability On Page 3	199 & 232 CID SIXES	290, 343 & 390 CID V-8's
ELECTRICAL – INSTRUMENTS AND EQUIPMENT			
Speedometer	Type	King-Seeley	
	Trip odometer (yes,no)	No	
Charge indicator – type		Warning Light	
Temperature indicator – type		Electrical Gauge	
Oil pressure indicator – type		Warning Light	
Fuel indicator – type		Electrical Gauge	
Other		Dual Hydraulic Brake System Warning Light Parking Brake Warning Light	
Windshield wiper	Type – Standard	Variable-Speed Vacuum	
	Type – Optional	Variable-Speed Electric	
Windshield washer	Type – Standard	Foot Pump Operator	
	Type – Optional	Electric Powered Pump (Panel Switch)	
Horn	Type	Vibrator	
	Number used	2(1 on Rambler Base & Rebel Base, 2nd. Horn Dealer Accessory)	
	Amp draw (each)	8.5	

DRIVE UNITS – CLUTCH (Manual Transmission)		199 CID Rambler	232 CID Rambler & Javelin 232 CID Rebel & Ambassador
6-CYL. ENGINES Make & type		Borg & Beck, Dry Type	
Type pressure plate springs		9 Coils	
Total spring load (lb.)		1176(1308 Heavy-Duty)	1627
No. of clutch driven discs		One	
Clutch facing	Material	AMCO 157-80 Front, US 5935 Rear	US 6384 Front, US 5935 Rear
	Outside & inside dia.	9.13 x 6.13	
	Total eff. area (sq.in.)	71.88	
	Thickness	.125	
	Engagement cushioning method	Crimped Flat Springs	
Release bearing	Type & method of lubrication	Ball, Pre-Lubricated	
Torsional damping	Methods: springs, friction material	Springs, Steel-on-Steel	

DRIVE UNITS – CLUTCH (Manual Transmission)		290 CID 3-Speed	290 CID 4-Speed (& Opt. for 3-Speed)	343 CID 4-Speed 390 CID 4-Speed
V-8 ENGINES Make & type		Borg & Beck, Dry Type	Borg & Beck, Semi-Centrifugal, Dry Type	
Type pressure plate springs		9 Coils	9 Coils & 3 Rollers	(1)
Total spring load (lb.)		1772	1710	343; 2014 (390; 2133)
No. of clutch driven discs		One		
Clutch facing	Material	AMCO 3271	JM5003-8DL	
	Outside & inside dia.	10 x 6.75		10.5 x 6.5
	Total eff. area (sq.in.)	85.52		106.82
	Thickness	.125		
	Engagement cushioning method	Crimped Flat Springs		
Release bearing	Type & method of lubrication	Ball, Pre-Lubricated		
Torsional damping	Methods: springs, friction material	Springs, Steel-On-Steel		

(1) 343 CID: 12 Coils & 3 Rollers
390 CID: 12 Coils & 6 Rollers

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MODEL	Availability On Page 3	199 & 232 CID SIXES	290, 343 & 390 CID V-8's
DRIVE UNITS – TRANSMISSIONS			
Manual 3-speed (std. or opt.)		Standard (NA 290 4-Bbl., 343 2-or 4-Bbl, or 390)	
Manual 4-speed (std. or opt.)		NA	Opt. (NA 343 2-Bbl.) Std.AMX
Manual with overdrive (std. or opt.)		Optional	NA
Automatic (std. or opt.)	Column Shift	Optional	Optional
	Console Shift	NA	Optional

DRIVE UNITS – MANUAL TRANS.			199 SIX	232 SIX	290	290 & 343 &390
Number of forward speeds			3	3	3	4
Transmission ratios	In first		2.61	2.64	2.55	2.23
	In second		1.63	1.61	1.56	1.77
	In third		1.00	1.00	1.00	1.35
	In fourth		- - -	- - -	- - -	1.00
	In reverse		3.54	2.64	2.55	2.16
Synchronous meshing, specify gears			2 & 3	1,2 & 3	1,2 & 3	1,2,3 & 4
Shift lever location			Column	Column (Floor,Javelin	Column (Floor,Javelin)	Floor
Lubricant	Capacity (pt.)		1.5		2.5	3.5
	Type recommended		Mineral Gear Lubricant			
	SAE viscosity number	Summer	80			
		Winter	80			
		Extreme cold	80			

DRIVE UNITS – MANUAL TRANS. W/OVERDRIVE (For transmission data see manual transmission section)			199 & 232 Sixes
Type (planetary or other)			Planetary
Manual lockout (yes, no)			Yes
Downshift accelerator control (yes, no)			Yes
Minimum cut-in speed			34 to 37 MPH
Gear ratio			0.70:1
Lubricant	Capacity (pt.)		2.75
	Separate filler (yes, no)		Yes
	Type recommended		Mineral Gear Lubricant
	SAE viscosity number	Summer	80
		Winter	80
		Extreme cold	80

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MODEL	Availability On Page 3	199 & 232 CID SIXES	290, 343 & 390 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 (Column, Rambler)	
List gear ratios Selector Pattern and indicate which are used in each selector position	Operation	6&V-8 Col.	V-8 Con.	6&2-B. 290V-8	4-B. 290&343/390 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 70 (65-85 Rogue 232)		60 to 75		
Max. kickdown speed–drive range		50 to 65 (50-70 Rogue 232)		55 to 65		
Torque convertor	Number of elements	Three				
	Max. ratio at stall 2.00 Reb,Amb. & Rogue 232(2.15 all others)			290...2.00; 343&390...2.15		
	Type of cooling (air, liquid)	Air (Water, Opt.)		Water		
	Nominal diameter	11"		All 290's...11"; 343&390...12"		
Lubricant	Capacity–refill ~~MCX~~ Qts.	Dry 9.0		(1)		
	Type recommended	Auto. Trans. Fluid; Type A, AQ-ATF, Suffix A" or "Dexron"				
Special transmission features		Vacuum-Modulated Control Between Trans. & Engine. For 343&390 V-8's Altitude Compensator (Aneroid). Electric "Kick-Down" Solenoid System				

DRIVE UNITS – PROPELLER SHAFT

		Rambler		Rebel	Amb.	Javelin		AMX
		SIX	V-8	SIX & V-8	SIX & V-8	SIX	V-8	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.	46.830 x 2.500 x (2) .065	- - -	54.940 x 2.750 x .083 SIX	59.170 x 3.250 x .065 SIX	49.080 x 2.500 x .083	47.220 x 2.500 x .083	- - -
	Manual 4-speed trans.	- - -	48.700 x 2.500 x .083	- - -	- - -	- - -	50.170 x 2.500 x .083	38.180 x 2.500 x .083
	Overdrive transmission	51.900 x 2.500 x .065	- - -	56.150 x 3.000 x .083 SIX	- - -	- - -	- - -	- - -
	Automatic transmission	44.530 x 2.500 x .065	45.700 x 2.500 x .083	50.340(3) x 2.500 x .083	54.370(4) x 3.000 x .083	44.530 x 2.500 x .065	47.220 x 2.500 (5).083	38.180 x 2.500 x .083

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

(Continued)

(1) 2-B. 290...9.0 Qts.
All 343's & 4-B. 290...9.5 Qts.
All 390's...10.2 Qts.

(2) 232 Six . . . 49.080 x 2.500 x .083

(3) 290 V-8 ..... 51.970 x 3.000 x .083
343 & 390 V-8.. 54.940 x 3.000 x .083

(4) 290 V-8 ..... 56.200 x 3.000 x .083
343 V-8 ..... 59.150 x 3.250 x .083
390 V-8 ..... 58.900 x 3.250 x .065

(5) 343 & 390 V-8 ... 50.170 x 2.500 x .083

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MODEL			RAMBLER, JAVELIN & AMX	REBEL & AMBASSADOR
DRIVE UNITS – PROPELLER SHAFT (cont.)				
Intermediate bearing	Type (plain, anti-friction)		None	
	Lubrication (fitting, prepack)		- - -	
Slip Yoke	Type		Involute	
	Number of teeth		16(28 for 4-Speed Trans.&Jav/AMX with 343 V-8 Auto. Trans.)	
	Spline O.D.		1.166(1.192 for 4-Speed Trans.&Jav/AMX with 343 V-8 Auto. Trans.)	
Universal joints	Make and Mfg. No.		SPICER/DANA/HAYES	
	Number used		Two	
	Type (ball and trunnion, cross)		Single-Pivot, Cross	
	Rear attach.(u-bolt, clamp, etc.)		U-Bolt	
	Bearing	Type (plain, anti-friction)	Anti-Friction	
		Lubric. (fitting, prepack)	Prepack	
Drive taken through (torque tube or arms, springs)			Rear Springs	4-Link Trailing Arms
Torque taken through (torque tube or arms, springs)			Rear Springs (1)	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, Rambler-6 & Javelin-6)	
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 (2)	
	SAE viscosity number	Summer	80	
		Winter	80	
		Extreme cold	80	

AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		2.37	2.73	2.87	3.08	3.15	3.31	3.54	Dealer Kits 3.73	3.91	4.10	4.44	5.00
No. of teeth	Pinion	19	15	15	13	13	13	11	11	11	10	9	9
	Ring gear	45	41	43	40	41	43	39	41	43	41	40	45
Ring Gear O.D.		7.56	7.5	8.75	7.5	8.75	7.6	8.75	8.88	8.88	8.88	8.88	8.88

(1) Plus Torque Links, Standard on AMX (Dealer Kit for Javelin & Rambler).

(2) Special lube for opt. "Twin-Grip" differential

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MODEL			RAMBLER			REBEL		AMBASSADOR			JAVELIN	JAV/AMX
			SIX		V-8	SIX & V-8		SIX	V-8	SIX&V-8	SIX	V-8
DRIVE UNITS – WHEELS			Except Wagon	Wagon	All	Except Wagon	Wagon	Except Wagon	Except Wagon	Wagon	All (1)	
Type & material			Pressed Steel Disc & Safety Rim									
Rim (size & flange type)	Std. 14" x		4.5J	5.0J	5.0J	5.5JK		5.5JK		6.0JK	5.0J	5.5JK-JAV
	Std. with 14" x		5.0J w/6.95	- - -	5.5JK w/7.35,	- - -	6.0JK w/8.25	6.0JK w/8.25		- - -	5.5JK w/7.35	6.0JK-AMX & on JAV.
Attachment	Type (bolt or stud)				Wagon &	STUD					6.0JK	w/E70.
	Circle diameter				Disc Brake	4.50					w/E70.	
	Number and size		FIVE, 1/2 x 20, 3/4 HEX									
MODEL												(2)
DRIVE UNITS – TIRES												E70-14 AMX
Standard	4PR, 2Ply Size, ply rating, & ply		6.45x14	6.95x14	6.95x14	7.35x14	7.75x14	7.75x14	7.75x14	8.25x14	6.95x14	7.35x14 Javelin
	Type (bias, radial, etc.)		BIAS									
	Full rated Inflation Press.	Front	28			24 (28 V-8 Exc. Wag)		24			24	
		Rear	28			28	30	28 (30 Wagon)			24	
	Rev./Mile at 50 MPH		6.45@835, 6.95@815, 7.35@796, 7.75@770, 8.25@758, E70@796, F78@782									
Optional	Size, ply rating, & ply (15" Tires/wheels are special options on certain models)		6.95x14 4PR, 2Ply	- - -	7.35x14 4PR, 2Ply	7.75x14 4PR, 2Ply	7.75x14 8PR, 4Ply	7.75x14 8PR, 4Ply	7.75x14 8PR, 4Ply	8.25x14 8PR, 4Ply	7.35x14 4PR, 2Ply	- - -
			- - -	- - -	- - -	7.75x14 8PR, 4Ply	8.25x14 4PR, 2Ply	8.25x14 4PR, 2Ply	8.25x14 4PR, 2Ply	- - -	- - -	- - -
			- - -	- - -	- - -	- - -	8.25x14 8PR, 4Ply	8.25x14 8PR, 4Ply	8.25x14 8PR, 4Ply	- - -	- - -	- - -
BRAKES – PARKING	Polyglass Wide Oval		- - -	- - -	- - -	F78-14 4PR, 2Ply V8 Opt.	- - -	- - -	F78-14 4PR, 2Ply	- - -	E70-14 4PR, 2Ply	E70-14 4PR, 2Ply Jav. Opt.
Type of control			Pull Handle			Foot Pedal, Hand Release						
Location of control			Left Side, Under Instrument Panel									
Operates on			Rear Service Brakes									
If separate from service brakes	Type (internal or external)		- - -									
	Drum diameter		- - -									
	Lining size (length x width x thickness)		- - -									

(1) Chrome Steel "Mag" Wheels (14 x 6), Optional.
(2) Std. AMX Tire, E70-14 Blackwall (Red-Line Opt.) with 6" wheel rims. "Space-Saver Spare" 7.35x14 Std. on AMX (Opt. Jav.).

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MODEL	RAMBLER-6 JAVELIN-6	REBEL-6 (except wagon)	ALL V-8's & REBEL-6 WAGON	OPT. ALL V-8's DISC/DRUM COMBO
BRAKES – SERVICE				
Type (drum) or (disc & no. of pistons)	Bendix Drum	Wagner Drum (or Bendix)	Bendix Drum (or Wagner)	(2) Bendix Disc/Drum
Self adjusting (std., opt., N.A.)	Standard			
Special Valving — Type (proportion, delay, metering, other)	None			Proportioning Valve
Power brake make & type (remote, int., etc.) — Std.	- - -			
Power brake make & type (remote, int., etc.) — Opt. Bendix	Integral, Vacuum-Suspended, Single Diaphragm			(1)
Effective area (sq. in.) *	159.03	153.76	167.49	F37.2+R67.7=104.9
Gross lining area (sq. in.) **	159.03	153.76	167.49	F37.2+R67.7=104.9
Swept area (sq. in.) ***	254.43	254.43	267.07	F261+R110=371
Front to Rear Effectiveness Relationship	60.2% FRONT	59.0% FRONT	62.4% FRONT	65% FRONT
Drum — Diameter (nominal) — Front	9.00	9.00	10.00	---
Drum — Diameter (nominal) — Rear	9.00	9.00	10.00	10.00
Drum — Type and material	Cast-Iron Plain Steel Center	Cast-Iron, Finned Steel Center	Cast-Iron Steel Flange&Center (3)	Cast-Iron, Steel Flange&Center
Rotor — Outer working diameter	- - -			11.14 (11.19 Rotor)
Rotor — Inner working diameter	- - -			6.30
Rotor — Working width	- - -			2.42
Rotor — Material & type (vented/solid)	- - -			Cast-Iron/Solid
Wheel cylinder bore — Front	1.12	1.18 (1.09 343/390 Wag)		2.0
Wheel cylinder bore — Rear	.94	.94 (.88 Ramb,Jav,AMX)		(1.0 V8 Wag.Disc)
Master Cylinder — Bore	1.00			
Master Cylinder — displacement	.487 Cu.In. Primary Section			
Master Cylinder — distribution	.319 Cu.In. Secondary Section			
Pedal arc ratio	5.61			
Line pressure at 100 lb. pedal load	885 Approx.			780@20" hg.
Shoe Clearance — Front	.004 to .010@high point on horiz. axis			0 Front Disc
Shoe Clearance — Rear	.004 to .010 @high point on horiz. axis			
Brake lining — Bonded or riveted	Bonded			Rear Riveted
Brake lining — Front Wheel — Material	Molded Asbestos Compound, Marshall-Eclipse			Mintex M-33
Brake lining — Front Wheel — Size (length x width x thickness) — Prim. or outboard	7.69x2.50x.19	7.62x2.25x.19	8.90x2.50x.19	4.89x2.31x.44 (.38 usable thick.)
Brake lining — Front Wheel — Second. or inboard	9.98x2.50x.19	9.82x2.50x.19	11.06x2.50x.19	- - -
Brake lining — Front Wheel — Segments per shoe	One			One ea.side of disc
Brake lining — Rear Wheel — Material	Molded Asbestos Compound, Marshall-Eclipse			
Brake lining — Rear Wheel — Size (length x width x thickness) — Prim. or outboard	7.69x2.00x.19	7.62x2.00x.19	8.46x1.75x.19	8.46x1.75x.19
Brake lining — Rear Wheel — Second. or inboard	9.98x2.00x.19	9.82x2.00x.19	10.88x1.75x.19	10.88x1.75x.19
Brake lining — Rear Wheel — Segments per shoe	One			

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

(1) Power is included with disc brake option.
Bendix Integral, Vacuum-Suspended, Tandem Diaphragm (Single Diaphragm on Rambler).
(2) Four-Wheel Disc Brakes (Kelsey-Hayes) available as Dealer Kit.
(3) Finned Drum for Rebel or Amb. with 343 or 390 V-8.

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MODEL				RAMBLER	REBEL	AMBASSADOR	JAVELIN & AMX	
STEERING								
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. w/Auto. or 4-Speed Trans.			
Wheel diameter		Manual		16"				
		Power		16"			JAVELIN	AMX
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)		38'	39'6"	44'9"	38'9"	35'6"
		Curb to curb (l. & r.)		36'	37'6"	42'9"	36'9"	33'6"
	Inside rear	Wall to wall (l. & r.)		19'11"	20'	24'8"	20'8"	18'11"
		Curb to curb (l. & r.)		20'4"	20'9"	25'6"	21'1"	19'4"
Manual	Gear	Type		Recirculating Ball				
		Make		Saginaw				
		Ratios	Gear	24.0:1	24.0:1		20.0:1 (1)	
			Overall	29.1:1	28.6:1		24.1:1 (1)	
	No. wheel turns (stop to stop)			6.1	6.0		5.1:1 (1)	
Power	Type (coaxial, linkage, etc.)			Integral Rotary Valve with Gear Box				
	Make			Saginaw Box, Thompson Pump				
	Gear	Type		Recirculating Ball				
		Ratios	Gear	17.5:1	17.5:1		15.0:1	
			Overall	21.1:1	20.9:1		18.1:1	
	Pump driven by			Belt to Crankshaft Pulley				
	No. wheel turns (stop to stop)			4.5	4.4		3.8:1	
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.)			6°30' @ 0°	6°11" (6°41' @ 0°)		6°30' @ 0°	
	Bearings (type)	Upper		(2)	Two Bushings		(2)	
		Lower		Ball Joint				
		Thrust		Ball Bearing				
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)			-½° to +½° (3)	Man. & Power 0° to -1° (-½° desired)		-½° to +½° (3)	
	Camber (deg.)			-3/8° to +3/8°				
	Toe-in (outside track inches)			1/16 to 3/16 (1/8 Desired)				
Steering spindle & joint type				Integral Knuckle-Pin With Upper Trunnion Joint & Lower Ball Joint				
Wheel Spindle	Diameter	Inner bearing		1.25				
		Outer bearing		.75				
	Thread size			.75 x 16				
	Bearing type			Tapered Roller				

(1) Optional Ratio Manual Steering for Javelin & AMX ... Gear Box ... 16.0:1
Overall 19.3:1
Turns 4.0:1

(2) Rubber Bushing, "CLEVBLOC."

(3) Power: +½° to +1½°

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MODEL	RAMBLER	JAVELIN	AMX	REBEL & AMBASSADOR
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
Provision for acc. squat control	Asymmetrical Rear Springs			4-Link Rear Geometry
Special provisions for car jacking	Bumper Jack	Side Scissors Jack		Bumper Jack
Shock absorber front & rear — Type	Direct-Acting, Telescopic			
Shock absorber front & rear — Make	Gabriel & Monroe			
Shock absorber front & rear — Piston dia.	1.00 (1.19 Heavy Duty)			
Other special features	Front Shock Absorber Has Internal Provisions for Bottoming Control			

SUSPENSION – FRONT	6 & V-8			6 & V-8			V-8			6-CYL. REBEL & AMB.			6-CYL. REBEL & AMB.			V-8 REBEL & AMB.		
Type and description	RAMBLER			JAVELIN			AMX			LESS WAGONS			WAGONS			ALL BODY STYLES		
INDEPENDENT DIRECT-ACTION COIL SPRINGS	STD	AC	HD	STD	AC	HD	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.)	9.84 x 4.05			9.84 x 4.05			9.84 x 4.05			8.75 x 5.0			8.75 x 5.0			8.75 x 5.0		
Spring — Spring rate (lb. per in.) SIX	80	93	100	93	93	100	-	-	-	85	.88	105	85	88	105	-	-	-
Spring — Rate at wheel (lb. per in.) SIX	101	101	121	114	114	121	-	-	-	110	113	130	110	113	130	-	-	-
Spring rate (lb./in.) V-8	93	93L,115R	115	100	115	115	100	115	115	-	-	-	-	-	-	105	110	120
Rate@Wh (lb./in.) V-8	114	114L,136R	136	121	136	136	121	136	136	-	-	-	-	-	-	130	135	145
Stabilizer (SAE 1090) — Type (link, linkless, frameless) Link Sway Bar	Std. on V-8 Incl. on 6 in Opt. Hdl.Pkg.						Std.			Std. on Amb.			Std.			Std.		
Stabilizer (SAE 1090) — Material & bar diameter SIX	.81			.88			-			.81(.94 on Reb.Opt.)			.94 Reb. & .81 Amb.			-		
Stabilizer (SAE 1090) — Material & bar diameter V-8	.81 (.88 Opt.)			.88 (.94 Opt.)			.94			-			-			.94 Reb. & .81 Amb.		

SUSPENSION – REAR	RAMBLER			JAVELIN					AMX		REBEL & AMB. (LESS WAGONS)		REB. & AMB. WAGONS	
Type and description	Hotchkiss										4-Link with Coil Springs			
Drive and torque taken through	Rear Springs (Torque Links, Dealer Kit)								Rear Springs & Torque Links		4-Link Trailing Arms			
Spring — Type	Leaf										Coil			
Spring — Material	SAE 5155										SAE 5160 or 9260			
Spring — Size (length x width, coil design height & I.D.; bar length & dia.)	52.0 x 2.0			53.0 x 2.50					53.0 x 2.50		8.00 x 5.25		9.25 x 5.25	
Spring — Spring rate (lb. per in.)	STD.	WAG & HD	WHD	ST6	ST8	HD6	HD8		STD.	HD.	STD.	HD.	STD.	HD.
	91	102	120	86	87	106	105		105	123	104	130	160	200
Spring — Rate at wheel (lb. per in.)	116	127	145	111	112	131	130		130	148	101	126	155	194
Spring — Mounting insulation type	Rubber Bushings - "Silentbloc"										Rubber			
Spring — If leaf — No. of leaves	4	5	5	4	5	4	5		5	5	- - -			
Spring — If leaf — Shackle (comp. or tens.)	Compression										- - -			
Stabilizer — Type (link, linkless, frameless)	None										None			
Stabilizer — Material	- - -										- - -			
Track bar type	None										None			

"HANDLING PACKAGE" OPTIONS:

Rambler-6, Javelin-6 & Rebel-6 (except wagon):
Front Sway Bar
Heavy-Duty Springs & Shocks

Rambler V-8 & Javelin V-8;
Larger-Dia. Front Sway Bar
Heavy-Duty Springs & Shocks

Rebel-6 Wagon, Rebel V-8, Amb.-6 & V-8 plus AMX V-8:
Heavy-Duty Springs & Shocks

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MODEL	RAMBLER			REBEL & AMBASSADOR			JAVELIN
	Sedan	Wagon	Hardtop	Sedan	Wagon	Hardtop	Hardtop
FRAME							& AMX
Type and description (Separate frame, unitized frame, partially - unitized frame)	Single Unit Body-And-Frame One-Piece Uniside, Inner & Outer (4-Dr. Sedan & Wagon) (Outer Front Fenders Bolted On)						

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		Right Front Wheelhouse Panel. Top Surface, Left-Side of Instrument Panel at Base of Windshield (visible from exterior).						
Engine No. location		6-Cyl. . . .Block, Upper Right Center V-8. . . .Front of Right-Hand Valve Cover						
Theft protection - type		Starter energized by ignition key. Two key system for doors and ignition locks. Shielded ignition terminals for difficult access						
Vent window control method (crank, friction pivot)	Front	Friction Pivot				(1)	None	
	Rear	None				(1)	None	
Seat cushion type	Front	Coil					Form Wire	
	Rear	Coil (3)			Coil	(2)	Form Wire	
	3rd seat	Solid Polyurethane Foam for Rebel & Ambassador 3-Seat Wagon						
Seat back type	Front	Coil					Form Wire	
	Rear	Coil (3)			Coil	(2)	Form Wire	
	3rd seat	Solid Polyurethane Foam for Rebel & Ambassador 3-Seat Wagon						
Windshield glass type (i.e., single curved - laminated plate)		Single, Curved Laminated Safety Plate						
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.						
							JAV.	AMX
Windshield glass exposed surface area		1086	1086	1086	1323	1323	1323	1235	1235
Side glass exposed surface area		1536	2418	1411	1396	2496	1336	1321	1112
Backlight glass exposed surface area		834	658	1168	990	776	1275	1225	1225
Total glass exposed surface area		3456	4162	3665	3709	4595	3934	3781	3572

(1) Flow-Thru fresh-air ventilation standard on Javelin & AMX.
(2) No rear seat for AMX
(3) Alternate Construction: Sedan ... Formed Wire for Rear Seat Cushion & Back
Wagon ... Formed Wire for Rear Seat Cushion.

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CONVENIENCE EQUIPMENT

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

MODEL	RAMBLER	REBEL & AMBASSADOR	JAVELIN & AMX
Power windows — Side windows	N.A.	Opt. AMB. DPL & SST	N.A.
Power windows — Vent windows	N.A.		
Power windows — ~~xxxxxxx~~ tailgate	N.A.	Opt. (Std. on 3-Seat)	- - -
Power seats (specify type as well as availability)	N.A.		
Reclining front seat back (R-L or both)	Optional for Right & Left (pairs only) (1)		
Front seat head restrainer (R-L or both)	Standard, Right & Left		
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. Manual AM with Tape Player (2)
Rear seat speaker	N.A.	Optional for Radio (2)	
Power antenna	N.A.		
Clock	N.A.	Opt. (Std. Amb. SST)	Optional
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.	Standard	
Dome lamp Standard	Ceiling type for Sedans & Wagons (3)		Rear Pillars (NA AMX)
Glove compartment lamp	Optional	Opt. (Std. Amb. SST)	Optional
Luggage compartment lamp	Optional	Opt. (Std. Amb. SST)	Optional
Underhood lamp	N.A.		
Courtesy lamp	Optional	Opt. (Std. Amb. SST)	Opt. (Std. AMX)
Map lamp	(See "Courtesy Light")		
Auto. trans. quad. lamp	Standard		
Cornering light lamp	N.A.		
Emergency flasher lamp	Standard (4-Way Hazard Warning Signal)		
Back-up lamp	Standard		
Tachometer	Dealer Accessory		Optional (Std. AMX)
Wagon Roof Rack	Opt.	Std.	Trunk Lid Rack, Dealer Acc.
"Command-Air" High-Level Vent	N.A.	Opt. on cars less Air Cond.	

LAMP HEIGHT AND SPACING

			RAMBLER			REBEL			AMBASSADOR			JAV.	AMX
			Sed.	HT	Wag.	Sed.	HT	Wag.	Sed.	HT	Wag.	HT	HT
Height above ground to center of bulb or marker	Headlamp	Highest	27.60	27.60	27.60	28.60	28.50	28.54	27.30	27.24	27.48	25.95	25.52
		Lowest	-	-	-	-	-	-	-	-	-	-	-
	Tail	Highest	24.10	24.10	24.00	29.60	29.60	28.10	24.83	24.99	28.32	25.20	25.90
		Lowest	-	-	-	23.40	23.40	-	-	-	-	-	-
	Sidemarker	Front	27.90	27.90	28.15	29.77	29.68	29.69	27.45	27.38	27.68	24.02	23.58
		Rear	24.96	24.98	26.70	26.40	26.40	28.10	24.88	24.99	28.32	25.20	25.90
Distance from C/L of car to center of bulb	Headlamp	Inside	-	-	-	20.70	20.70	20.70	22.56	22.56	22.56	-	-
		Outside *	27.30	27.30	27.30	29.42	29.42	29.42	29.22	29.22	29.22	27.24	27.24
	Tail	Inside	-	-	-	-	-	-	19.66	19.66	-	18.35	18.35
		Outside	24.80	24.80	29.30	32.66	32.66	33.58	25.00	25.00	33.58	24.30	24.30
	Directional	Front	27.30	27.30	27.30	24.56	24.56	24.56	25.68	25.68	25.68	26.25	26.25
		Rear	24.80	24.80	29.30	32.66	32.66	33.58	25.00	25.00	33.58	24.30	24.30

* If single headlamps are used enter here.

1. Standard on Ambassador SST, Javelin SST & AMX. (Opt. on other Ramblers, Rebels & Ambassadors).
2. Included with 8-Track Stereo Tape Player for Sedans & Hardtops.
3. Rear Side Pillars (both) on Hardtops (except Rebel Base).

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MAKE OF CAR AMERICAN MOTORS MODEL YEAR 1969 DATE ISSUED 10-1-68 REVISED (*)

WEIGHTS

BASE ENGINE	MODELS	CURB WEIGHT * POUNDS Front	Rear	Total	% PASS. WEIGHT DISTRIBUTION Pass. In Front Front	Pass. In Front Rear	Pass. In Rear Front	Pass. In Rear Rear	LIQUID WEIGHT Fuel	Coolant	OFFICIAL SHIPPING WEIGHTS FILED W/STATE LICENSE BUREAUS
199 Six	RAMBLER:										
199 Six	2-Dr. Sedan 6906 Base	1521	1163	2684	48	52	19	81			2636
"	4-Dr. Sedan 6905 Base	1528	1187	2715	↑	↑	↑	↑			2667
"	4-Dr. Sedan 6905-5 440	1533	1194	2727							2679
"	4-Dr. Wagon 6908-5 440	1518	1345	2863							2815
232 Six	2-Dr. Hardtop 6909-7 Rogue	1554	1211	2765	48	52	19	81			2717
--	REBEL:										
232 Six	4-Dr. Sedan 6915 Base	1673	1497	3170	49	51	19	81			3089
"	4-Dr. Sedan 6915-7 SST	1665	1490	3155	↑	↑	19	81			3074
"	4-Dr. Wagon 6918 Base	1616	1822	3438			19	81			3357
"	4-Dr. Wagon 6918-7 SST	1621	1809	3430			19	81			3349
"	2-Dr. Hardtop 6919 Base	1698	1536	3234	↑	↑	21	79			3153
"	2-Dr. Hardtop 6919-7 SST	1693	1524	3217	49	51	21	79			3136
--	AMBASSADOR:										
232 Six	4-Dr. Sedan 6985-2 Base	1801	1556	3357	47	53	18	82			3276
232 Six	4-Dr. Sedan 6985-5 DPL	1815	1586	3401		↑	18	82			3320
290 V-8	4-Dr. Sedan 6985-7 SST	1973	1624	3597			18	82			3516
232 Six	4-Dr. Wagon 6988-5 DPL	1757	1869	3626			18	82			3560
290 V-8	4-Dr. Wagon 6988-7 SST	1912	1907	3819			18	82			3753
232 Six	2-Dr. Hardtop 6989-5 DPL	1838	1614	3452	↑	↑	20	80			3371
290 V-8	2-Dr. Hardtop 6989-7 SST	1980	1655	3635	47	53	20	80			3554
--	JAVELIN:										
232 Six	2-Dr. Hardtop 6979-5 Base	1601	1275	2876	46	54	20	80			2810
232 Six	2-Dr. Hardtop 6979-7 SST	1609	1284	2893	46	54	20	80			2827
--	AMX:										
290 V-8	2-Dr. Ht Coupe 6939-7 Base	1778	1382	3160	39	61	---	---			3094

Accessories & Equipment Differential	Front	Rear	Total
Twin-Grip Differential	0	9	9
Dual Exhaust, Jav.(Std. AMX)	5	25	30
(Std.w/390V8), Reb. & Amb.	5	23	28
Power Steering	35	-4	31
Power Brakes	9	1	10
Power Disc Brakes	25	2	27
Air Cond., Rambler 6/V8	77/70	-7/-5	70/65
, Rebel 6/V8	78/73	-3/-2	75/71
, Jav, 6/Jav-AMX V8	68/75	-3/-4	65/71
A.C. Delete, Amb. 6/V8	-66/-64	2/2	-64/-62
Command-Air Vent, Reb. & Amb.	9	2	11
(incl. in AC) , Jav. & AMX	6	1	7
Radio, Ram, Jav. & AMX	5	1	6
, Reb. & Amb.	5	2	7
Radio & RS, Reb. & Amb.	5	3	8
Stereo Tape, Reb. & Amb.	6	5	11
Stereo Tape & Rad., Jav. & AMX	7	5	12
Power Side Windows, Amb.	7	7	14
Power Tailgate win., Reb. & Amb.	-2	8	6
3rd. Seat Wag. & Pow. TgW,Reb.&Amb.	-4	35	31
Roof Rack, Rambler Wagon	0	7	7
Auto. Speed Control, Reb. & Amb.	7	0	7
Ind.Adj.Recl.Seats, Ram.2Dr/4Dr	11/8	11/9	22/17
,Rebel2Dr/4Dr	10/13	11/13	21/26
(in SST Weight) ,Amb. 2Dr/4Dr	8/11	9/11	17/22
Buckets,W/Cushion, Rebel	12	13	25
,W/Console, Rebel	16	17	33
,W/Cushion, Amb.	2	3	5
,W/Console, Amb.	6	6	12
Center Cushion & Armrest, Jav & AMX	5	6	11

	Front	Rear	Total
Console (no shift lever),Jav.&AMX	5	4	9
Vinyl Covered Roof	2	4	6
Bumper Guards, F & R	4	4	8
, F. Wag.	4	0	4
, R. Jav. & AMX	0	4	4
Wire Wheel Covers, 4	8	8	16
Turbo-Cast Wheel Covers, 4	10	10	20
Handling Pkg., Rambler 6/V8	16/1	1/9	17/10
, Reb.6 (less Wag.)	14	3	17
, Rebel 6 Wag. & V8	2	4	6
, Amb. 6/V8	2/2	4/3	6/5
, Javelin 6/V8	16/2	2/3	18/5
Heavy-Duty Cooling	8	-1	7
70-Amp. Battery	8	-1	7
Undercoat & Hood Insulation	10	10	20
Undercoat only	9	10	19
6.45x14 to 6.95 (6½ to 5 rim)Ram.	4	6	10
6.95x14 to 7.35 (5 to 5½ rim)Ram.	8	12	20
7.35x14 to F-78, Rebel	8	11	19
7.35x14 to 7.75, Rebel	4	5	9
7.75x14 to 8.25, Rebel & Amb.	6	9	15
7.75x14 to F-78, Amb.	4	6	10
2-Ply to 4-Ply Construction	9	14	23
6.95x14 to 7.35 (5 to 5½ rim)Jav.	8	12	20
6.95x14 to E-70 (5 to 6 rim),Jav.	22	33	55
7.35x14 to E-70 (5½ rim), Jav.	11	16	27
5" Std. Rim to 6" Styled Rim	11	11	22
5½" Std. Rim to 6" Styled Rim	7	7	14
6" Std. Rim to 6" Styled Rim	4	4	8
Hood Overlay Air Scoops, Jav.	9	0	9

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

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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 below).

FUEL TO FILL TO CURB WEIGHT	FRONT	REAR	TOTAL
Rambler ..... 8 to 16 gal.	-9	+57	48
Javelin ..... 8 to 19 gal.	-11	+77	66
AMX ..... 8 to 19 gal.	-12	+78	66
Rebel..... 8 to 21.5 gal.	-16	+97	81
Ambassador ..... 8 to 21.5 gal.	-15	+96	81
All 3-Seat Wagons .. 8 to 19 gal.	-8	+74	66
RAMBLER ENGINE/TRANS. COMBINATIONS:			
Rogue Base & 440: 199-1B 3-Speed to 199-1B Auto.	13	5	18
199-1B 3-Speed to 199-1B O'drive	25	7	32
199-1B 3-Speed to 232-1B 3-Speed	6	4	10
199-1B 3-Speed to 232-1B Auto.	12	6	18
199-1B 3-Speed to 290-2B Auto, Sedan	174	67	241
199-1B 3-Speed to 290-2B Auto, Wagon	171	62	233
232-1B 3-Speed to 232-1B Auto.	6	2	8
232-1B 3-Speed to 290-2B Auto.	168	63	231
232-1B 3-Speed to 290-4B 4-Speed	217	71	288
REBEL ENGINE/TRANS. COMBINATIONS:			
232-1B 3-Speed to 232-1B O'drive	22	8	30
232-1B 3-Speed to 232-1B Auto	7	3	10
232-1B 3-Speed to 232-2B 3-Speed	10	0	10
232-1B 3-Speed to 232-2B Auto.	17	3	20
232-1B 3-Speed to 290-2B Auto, Sed&HT	169	20	189
232-1B 3-Speed to 290-2B Auto, Wagon	153	8	161
232-1B 3-Speed to 343-2B Auto, Sed&HT	222	27	249
232-1B 3-Speed to 343-2B Auto, Wagon	206	15	221
232-1B 3-Speed to 343-4B Auto, Sed&HT	229	27	256
232-1B 3-Speed to 343-4B Auto, Wagon	213	15	228
AMBASSADOR ENGINE/TRANS. COMBINATIONS:			
Base & DPL: 232-2B 3-Speed to 232-2B Auto.	7	3	10
232-2B 3-Speed to 290-2B Auto.	131	20	151
232-2B 3-Speed to 343-2B Auto.	182	29	211
232-2B 3-Speed to 343-4B Auto.	189	29	218
232-2B 3-Speed to 390-4B Auto.	219	55	274
SST: 290-2B 3-Speed to 343-2B Auto.	51	9	60
290-2B 3-Speed to 343-4B Auto.	58	9	67
290-2B 3-Speed to 390-4B Auto.	88	35	123
JAVELIN ENGINE/TRANS. COMBINATIONS:			
232-1B 3-Speed to 232-1B Auto.	6	2	8
232-1B 3-Speed to 290-2B 3-Speed	199	68	267
232-1B 3-Speed to 290-2B Auto Column	171	64	235
232-1B 3-Speed to 290-2B Auto Console	178	69	247
232-1B 3-Speed to 290-4B 4-Speed	219	72	291
232-1B 3-Speed to 343-4B Auto Column	236	78	314
232-1B 3-Speed to 343-4B Auto Console	243	83	326
232-1B 3-Speed to 343-4B 4-Speed	232	72	304
232-1B 3-Speed to 390-4B Auto Console	274	109	383
232-1B 3-Speed to 390-4B 4-Speed	261	97	358
AMX ENGINE/TRANS. COMBINATIONS:			
290-4B 4-Speed to 343-4B 4-Speed	11	2	13
290-4B 4-Speed to 390-4B 4-Speed	40	17	57
290-4B 4-Speed to 290-4B Auto Console	-8	+5	-3
290-4B 4-Speed to 343-4B Auto Console	24	11	35
290-4B 4-Speed to 390-4B Auto Console	50	12	62

AMA Specifications—Passenger Car

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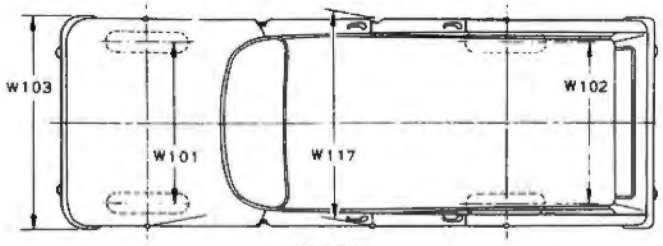
CAR AND BODY DIMENSIONS

KEY SHEET

EXTERIOR CAR AND BODY DIMENSIONS



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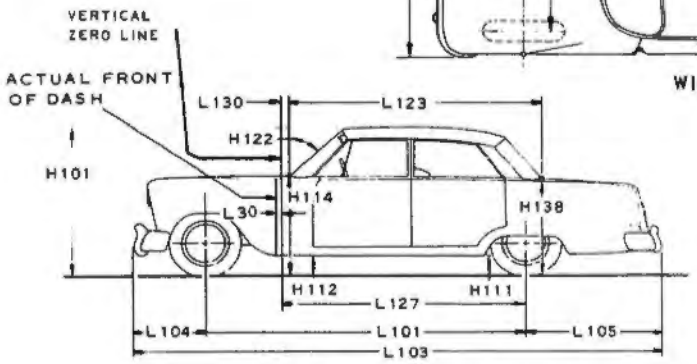
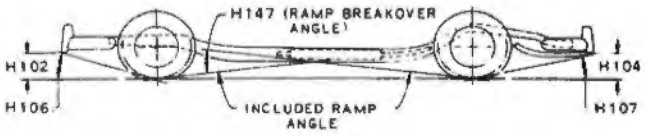
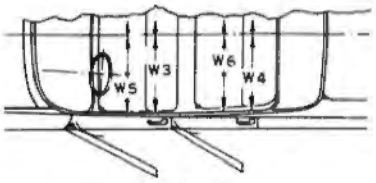


LENGTH & HEIGHT



GROUND CLEARANCE

INTERIOR CAR AND BODY DIMENSIONS



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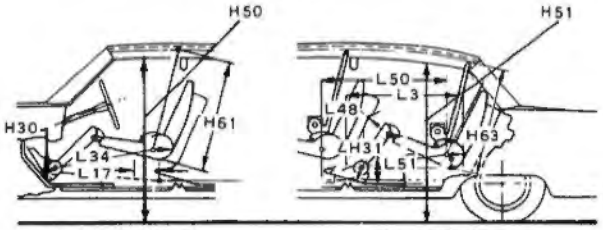
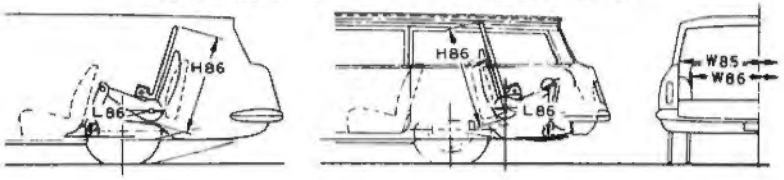
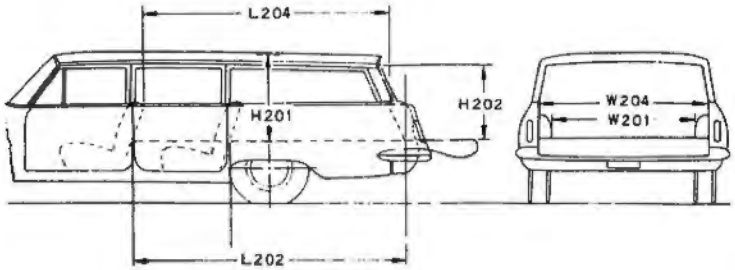


FRONT COMPT. REAR COMPT.



THIRD SEAT



CARGO SPACE

AMA Specifications—Passenger Car

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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.

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

1969 AMERICAN MOTORS CORPORATION
CAR AND BODY DIMENSIONS *
AMA SPECIFICATIONS SUPPLEMENT
PAGE 26A Issued: October 1, 1968

EXTERIOR CODE NO		DESCRIPTION	RAMBLER 4-Door Sedan 6905 6905-5	RAMBLER 2-Door Sedan 6906	RAMBLER 2-Door Hardtop 6909-7	RAMBLER 4-Door Wagon 6908-5	REBEL 4-Door Sedan 6915 6915-7	REBEL 2-Door Hardtop 6919 6919-7	REBEL 4-Door Wagon 6918 6918-7	AMBASSADOR 4-Door Sedan 6985-2 6985-5 6985-7	AMBASSADOR 2-Door Hardtop 6989-5 6989-7	AMBASSADOR 4-Door Wagon 6988-5 6988-7	JAVELIN 2-Door Hardtop 6979-5 6979-7 58.18-6	AMX 2-Door Sports Coupe 6939-7
WIDTH	W101	TREAD - FRONT	56.24 (56.85 V8)				59.81 (60.00 V8)		60.00	60.00	60.00	60.00	58.80V8	58.80
	W102	TREAD - REAR	55.00 (55.27 V8)				60.00	60.00	60.00	60.00	60.00	60.00	57.00	57.00
	W103	MAXIMUM OVERALL WIDTH OF CAR	70.84	70.84	70.84	70.84	77.24	77.24	77.24	77.24	77.24	77.24	71.89	71.57
	W116	MAXIMUM OVERALL WIDTH OF BODY	69.52	69.52	69.52	69.52	77.24	77.24	77.24	77.24	77.24	77.24	71.89	71.57
	W117	MAXIMUM BODY WIDTH AT #2 PILLAR	67.50	67.50	67.50	67.50	75.46	75.46	75.46	75.46	75.46	75.46	69.71	69.71
	W106	FRONT FENDER OVERALL WIDTH	69.52	69.52	69.52	69.52	77.24	77.24	77.24	77.24	77.24	77.24	70.69	70.69
	W107	REAR FENDER OVERALL WIDTH	68.50	68.50	68.50	68.50	76.76	76.76	76.76	76.76	76.76	76.76	71.89	71.89
	W120	MAXIMUM OVERALL CAR WIDTH, FRONT DOORS OPEN	137.08	152.76	152.76	137.08	143.14	166.86	143.14	143.14	166.86	143.14	152.90	152.90
	W121	MAXIMUM OVERALL CAR WIDTH, REAR DOORS OPEN	128.96	----	----	128.96	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	106.00	106.00	106.00	106.00	114.00	114.00	114.00	122.00	122.00	122.00	109.00	97.00
	L104	OVERHANG, FRONT	31.70	31.70	31.70	31.70	31.90	31.90	31.90	32.90	32.90	32.90	39.70	39.70
	L105	OVERHANG, REAR	43.30	43.30	43.30	43.30	51.10	51.10	52.10	51.60	51.60	52.10	40.52	40.52
	L103	OVERALL LENGTH	181.00	181.00	181.00	181.00	197.00	197.00	198.00	206.50	206.50	207.00	189.22	177.22
	L128	HOOD LENGTH AT CENTERLINE	47.91	47.91	47.91	47.91	52.07	52.07	52.07	61.75	61.75	61.75	60.45	60.45
	L123	BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE	97.81	97.81	97.81	130.48	104.70	109.64	135.86	104.37	110.23	135.86	102.03	90.03
	L129	DECK LENGTH AT CENTERLINE	32.27	32.27	32.27	----	38.68	33.74	----	38.30	32.44	----	23.30	23.30
	L127	BODY ZERO LINE TO CENTERLINE OF REAR WHEELS	95.00	95.00	95.00	95.00	100.00	100.00	100.00	100.00	100.00	100.00	95.00	83.00
	L130	BODY ZERO LINE TO WINDSHIELD COWL POINT	6.72	6.72	6.72	6.72	7.50	7.50	7.50	7.23	7.23	7.23	7.95	7.95
	L102	TIRE SIZE (STANDARD)	6.45-14	6.45-14	6.45-14	6.95-14	7.35-14	7.35-14	7.75-14	7.75-14	7.75-14	8.25-14	6.95-14	E70-14
HEIGHT		DESIGN LOAD (PASS. DISTR.)	----	----	----	----	----	----	----	----	----	----	----	----
	H101	OVERALL HEIGHT	54.24	54.24	53.36	55.24	55.00	54.25	56.13	55.00	54.20	56.53	51.81	51.73
	H114	COWL TO GROUND	36.38	36.36	36.36	36.79	38.44	38.40	38.98	38.34	38.32	39.18	36.65	36.54
	H112	ROCKER PANEL TO GROUND - FRONT	8.00	7.95	7.95	8.40	9.18	9.10	9.78	9.06	9.01	9.99	8.66	8.58
	H111	ROCKER PANEL TO GROUND - REAR	8.11	8.08	8.08	9.25	7.69	7.95	9.20	7.60	7.83	9.46	8.22	8.58
	H132	BOTTOM OF DOOR TO GROUND, OPEN - FRONT	12.67	12.77	12.77	13.03	12.63	12.68	13.61	12.53	12.61	13.68	13.80	13.65
	H134	BOTTOM OF DOOR TO GROUND, OPEN - REAR	11.68	----	----	12.04	11.51	----	12.80	11.61	----	13.15	----	----
	H122	WINDSHIELD SLOPE ANGLE	48°19'	48°19'	48°19'	48°19'	54°6'	54°6'	54°6'	54°6'	54°6'	54°6'	59°7'	59°7'
	H125	HEADLAMP TO GROUND	27.60	27.60	27.60	27.60	28.60	28.50	28.54	27.30	27.24	27.48	25.95	25.52
	H126	TAILLAMP TO GROUND	24.10	24.10	24.10	24.00	29.60	29.60	28.10	24.83	24.99	28.32	25.20	25.90
	H136	BODY ZERO TO GROUND - FRONT	7.33	7.32	7.32	7.57	7.89	7.83	8.18	7.89	7.84	8.41	7.74	7.48
	H137	BODY ZERO TO GROUND - REAR	6.48	6.49	6.49	7.82	6.09	6.15	7.78	6.02	6.08	8.01	7.00	7.48
	H133	BOTTOM OF DOOR TO GROUND, CLOSED - FRONT	11.55	11.50	11.50	11.91	11.42	11.29	12.52	11.34	11.25	12.73	12.00	12.22
	H135	BOTTOM OF DOOR TO GROUND, CLOSED - REAR	11.30	----	----	11.66	10.97	----	12.44	10.91	----	12.70	----	----
	H158	ROOF THICKNESS	5.52	5.52	4.88	5.56	5.08	3.44	5.15	2.08	3.44	5.15	5.20	4.91
	H159	DLO HEIGHT	13.11	13.11	12.62	13.11	13.18	13.70	13.18	13.18	13.70	13.18	12.25	12.08
	H160	BODY THICKNESS	35.86	35.86	35.86	36.22	28.39	28.39	28.39	28.39	28.39	28.39	27.02	27.02
	H195	LIFTOVER HEIGHT	28.11	28.09	28.09	----	28.06	28.06	----	28.01	28.13	----	28.11	28.84
GROUND CLEARANCE														
HEIGHT	H102	FRONT BUMPER TO GROUND	13.34	13.34	13.34	13.32	12.93	12.82	12.86	12.42	12.38	12.59	13.27	12.79
	H104	REAR BUMPER TO GROUND	12.16	12.16	12.16	13.89	10.34	10.41	11.61	10.60	10.72	11.84	16.00	16.73
	H106	ANGLE OF APPROACH	27°23'	27°23'	27°23'	27°25'	27°46'	27°37'	28°33'	25°27'	25°21'	26°34'	24°45'	23°5'
	H107	ANGLE OF DEPARTURE	17°26'	17°26'	17°26'	21°51'	13°59'	14°5'	14°28'	14°14'	14°13'	14°47'	23°48'	25°
	H147	RAMP BREAKOVER ANGLE	17°7'	17°7'	17°7'	18°47'	16°59'	17°1'	18°48'	14°35'	15°49'	16°54'	16°55'	19°24'
	H148	FRONT SUSPENSION TO GROUND	5.95	5.95	5.95	6.31	6.54	6.54	6.94	6.41	6.41	7.06	6.54	6.30
	H149	OIL PAN TO GROUND	5.95	5.95	5.95	6.31	6.02	6.02	6.40	6.10	6.10	6.75	6.30	6.13
	H150	FLYWHEEL HOUSING/TRANS. ASSY. TO GROUND	5.95	5.95	5.95	6.31	5.92	5.92	6.30	6.00	6.00	6.65	6.24	6.19
	H151	FRAME TO GROUND	5.95	5.95	5.95	6.31	6.17	6.17	6.85	6.25	6.25	7.15	6.31	6.64
	H152	EXHAUST SYSTEM TO GROUND	6.01	6.01	6.01	6.37	6.17	6.17	6.55	6.25	6.25	7.74	5.51	5.29
	H153	REAR AXLE DIFFERENTIAL SYSTEM TO GROUND	6.88	6.88	6.88	7.24	6.37	6.37	7.10	6.45	6.45	7.45	7.10	6.45
	H154	FUEL TANK TO GROUND	7.30	7.30	7.30	7.66	7.32	7.32	8.59	7.40	7.40	8.94	7.77	8.31
	H155	TIRE WELL TO GROUND	----	----	----	----	----	----	9.69	----	----	10.04	----	----
	H156	MINIMUM RUNNING GROUND CLEARANCE	5.95	5.95	5.95	6.31	5.92	5.92	6.30	6.00	6.00	6.65	5.51	5.29
		POSITION ON CAR	H 150	H 150	H 150	H 150	H 150	H 150	H 150	H 150	H 150	H 150	H 152	H 152

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

1969 AMERICAN MOTORS CORPORATION
CAR AND BODY DIMENSIONS *
AMA SPECIFICATIONS SUPPLEMENT
PAGE 26B Issued: October 1, 1968

INTERIOR CODE NO		RAMBLER				REBEL			AMBASSADOR			JAVELIN	AMX
	DESCRIPTION	4-Door Sedan 6905 6905-5	2-Door Sedan 6906	2-Door Hardtop 6909-7	4-Door Wagon 6908-5	4-Door Sedan 6915 6915-7	2-Door Hardtop 6919 6919-7	4-Door Wagon 6918 6918-7	4-Door Sedan 6985-2 6985-5 6985-7	2-Door Hardtop 6989-5 6989-7	4-Door Wagon 6988-5 6988-7	2-Door Hardtop 6979-5 6979-7	2-Door Sport Coupe 6939-7
FRONT COMPARTMENT													
L31	BODY ZERO LINE TO H POINT	43.92	43.92	43.92	43.92	43.97	43.97	43.97	43.97	43.97	43.97	45.00	45.00
H70	H POINT TO BODY ZERO	11.84	11.84	11.84	11.84	11.84	11.84	11.84	11.84	11.84	11.84	10.20	10.20
H61	EFFECTIVE HEAD ROOM	39.00	39.00	38.20	39.30	39.80	38.70	39.80	39.80	38.70	39.80	37.50	37.20
H37	HEADLINING TO ROOF HEIGHT	0.56	0.56	0.56	0.56	0.50	0.50	0.50	0.50	0.50	0.50	0.57	0.57
L34	MAXIMUM EFFECTIVE LEG ROOM - ACCELERATOR	42.00	42.00	42.00	42.00	42.60	42.60	42.60	42.60	42.60	42.60	43.30	43.30
H30	H POINT TO HEEL POINT	9.64	9.64	9.64	9.64	9.64	9.64	9.64	9.64	9.64	9.64	7.78	7.78
H67	DEPRESSED FLOOR COVERING THICKNESS	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
L40	BACK ANGLE	23°	23°	23°	23°	24°	24°	24°	24°	24°	24°	24°	24°
L42	HIP ANGLE	101°	101°	101°	101°	100°20'	100°20'	100°20'	100°20'	100°20'	100°20'	102°	102°
L44	KNEE ANGLE	134°50'	134°50'	134°50'	134°50'	134°10'	134°10'	134°10'	134°10'	134°10'	134°10'	143°50'	143°50'
L46	FOOT ANGLE	85°	85°	85°	85°	84°	84°	84°	84°	84°	84°	93°30'	93°30'
H65	D POINT DIFFERENTIAL, SIDE TO CENTER	0	0	0	0	0	0	0	0	0	0	0	0
H54	D POINT TO TUNNEL	1.13	1.13	1.13	1.13	1.42	1.42	1.42	1.42	1.42	1.42	0.36	0.36
L53	H POINT TO ACCELERATOR FLOOR POINT	34.70	34.70	34.70	34.70	36.12	36.12	36.12	36.12	36.12	36.12	36.23	36.23
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	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
H75	EFFECTIVE T POINT HEADROOM - FRONT	----	----	----	----	----	----	----	----	----	----	----	----
REAR COMPARTMENT													
L50	H POINT COUPLE DISTANCE	31.08	31.08	31.08	31.08	34.77	31.69	34.77	34.77	31.69	34.77	27.75	----
H71	H POINT TO BODY ZERO	12.62	12.62	12.62	12.62	12.54	11.84	12.54	12.54	11.84	12.54	10.00	----
H63	EFFECTIVE HEAD ROOM	36.60	36.60	36.50	37.00	37.75	36.50	38.60	37.75	36.50	38.60	36.00	----
H38	HEADLINING TO ROOF HEIGHT	0.56	0.56	0.56	0.56	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
L51	MINIMUM EFFECTIVE LEG ROOM	35.00	35.00	35.00	35.00	38.60	35.50	38.60	38.60	35.50	38.60	31.50	----
H31	H POINT TO HEEL POINT	11.04	11.04	11.04	11.04	10.82	10.10	10.82	10.82	10.10	10.82	10.25	----
H68	DEPRESSED FLOOR COVERING THICKNESS	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	----
L48	KNEE CLEARANCE	2.86	2.86	2.86	2.86	5.70	3.30	5.70	5.70	3.30	5.70	1.25	----
L3	REAR COMPARTMENT ROOM	24.82	24.82	24.76	24.82	29.60	26.26	29.60	29.60	26.26	29.60	24.20	----
L41	BACK ANGLE	20°	20°	20°	20°	18°	18°	18°	18°	18°	18°	20°	----
L43	HIP ANGLE	81°	81°	81°	81°	85°40'	78°	85°40'	85°40'	78°	85°40'	75°30'	----
L45	KNEE ANGLE	90°	90°	90°	90°	108°	92°	108°	108°	92°	108°	79°	----
L47	FOOT ANGLE	121°	121°	121°	121°	134°	126°	134°	134°	126°	134°	114°	----
H66	D POINT DIFFERENTIAL, SIDE TO CENTER	0	0	0	0	0	0	0	0	0	0	0	0
H55	D POINT TO TUNNEL	1.06	1.06	1.06	1.06	1.01	0.60	1.01	1.01	0.60	1.01	----	----
H76	EFFECTIVE T POINT HEADROOM - REAR	----	----	----	----	----	----	----	----	----	----	----	----
SEAT & ENTRANCE-FRONT													
W3	SHOULDER ROOM	54.84	54.84	54.84	54.84	60.00	60.00	60.00	60.00	60.00	60.00	55.00	55.00
W5	HIP ROOM WITHOUT ARMREST / WITH ARMREST	57.48 / 56.10	57.48 / 56.10	57.48 / 52.10	57.48 / 56.10	60.88 / 58.88	59.22 / 57.22	60.88 / 58.88	60.88 / 58.88	60.88 / 58.88	60.88 / 58.88	57.98 / 55.98	57.60
W16	SEAT WIDTH	51.30	51.30	51.30	51.30	53.60	53.60	53.60	53.60	53.60	53.60	54.00	54.00
H50	UPPER BODY OPENING TO GROUND	49.13	49.11	48.62	50.02	49.63	50.12	50.62	49.50	50.04	50.82	47.43	47.50
H11	ENTRANCE HEIGHT	30.47	30.47	29.94	30.48	30.80	31.30	30.80	30.80	31.30	30.80	29.89	29.82
H115	STEP HEIGHT - FRONT (DESIGN LOAD)	13.25	13.25	13.25	13.61	13.64	13.54	14.45	13.52	13.44	14.66	13.76	13.79
H130	STEP HEIGHT - FRONT (CURB LOAD)	14.79	14.79	14.79	15.15	15.08	15.08	15.81	15.19	15.19	16.07	15.08	14.44
L18	ENTRANCE - FOOT CLEARANCE	14.75	14.75	14.75	14.75	15.33	15.33	15.33	15.33	15.33	15.33	14.00	14.00
H32	SEAT CUSHION DEFLECTION	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.60	3.60
L14	THICKEST POINT OF SEAT BACK, AT C/L O	5.50	5.50	5.50	5.50	5.45	5.45	5.45	5.45	5.45	5.45	5.10	5.10
W17	HAT ROOM	----	----	----	----	----	----	----	----	----	----	----	----
H3	SEAT CHAIR HEIGHT	11.75	11.75	11.75	11.75	12.00	12.00	12.00	12.00	12.00	12.00	10.10	10.10
H73	H POINT TO HEEL HARD - FRONT	----	----	----	----	----	----	----	----	----	----	----	----
L9	SEAT DEPTH - FRONT	----	----	----	----	----	----	----	----	----	----	----	----
H26	INTERIOR BODY HEIGHT - METAL TO METAL AT CAR C/L	41.44	41.44	40.53	41.75	42.37	41.51	42.30	42.37	41.51	42.30	38.89	37.86
H27	INTERIOR BODY HEIGHT - METAL TO METAL AT C/L O	45.53	45.53	44.53	45.66	46.42	44.61	46.05	46.42	44.61	46.05	44.39	43.92
SEAT & ENTRANCE-REAR													
W4	SHOULDER ROOM	54.82	54.82	54.20	54.82	60.00	59.00	60.00	60.00	59.00	60.00	53.20	----
W6	HIP ROOM WITHOUT ARMREST / WITH ARMREST	57.11 / 54.73	57.11 / 54.73	56.36 / 53.12	57.11 / 55.10	60.88 / 58.88	58.76 / 56.76	60.88 / 58.88	60.88 / 58.88	58.76 / 56.76	60.88 / 58.88	57.98 / 55.98	56.38	----
H51	UPPER BODY OPENING TO GROUND	48.72	----	----	49.68	48.90	----	50.14	48.84	----	50.36	----	----
H12	ENTRANCE HEIGHT	29.39	----	----	29.37	29.68	----	29.68	29.68	----	29.68	----	----
H116	STEP HEIGHT - REAR (DESIGN LOAD)	12.99	----	----	13.35	12.95	----	14.24	12.88	----	14.45	----	----
H131	STEP HEIGHT - REAR (CURB LOAD)	15.22	----	----	15.58	14.98	----	15.94	15.06	----	16.18	----	----
H69	EXIT HEIGHT	28.75	----	----	28.69	29.60	----	29.60	29.60	----	29.60	----	----
L19	ENTRANCE - FOOT CLEARANCE	11.00	----	----	11.00	11.00	----	11.00	11.00	----	11.00	----	----
H33	SEAT CUSHION DEFLECTION	3.12	3.12	4.00	3.12	4.00	3.82	3.70	4.00	3.82	3.70	4.75	----
L15	THICKEST POINT OF SEAT BACK, AT C/L O	6.80	6.80	7.78	6.28	6.45	7.40	6.24	7.50	7.40	6.24	6.20	----
W18	HAT ROOM	----	----	----	----	----	----	----	----	----	----	----	----
H8	SEAT CHAIR HEIGHT	12.62	12.62	12.62	12.62	12.50	12.31	12.50	12.50	12.31	12.50	12.50	----
H74	H POINT TO HEEL HARD - REAR	----	----	----	----	----	----	----	----	----	----	----	----
L16	SEAT DEPTH - REAR	----	----	----	----	----	----	----	----	----	----	----	----
H28	INTERIOR BODY HEIGHT - METAL TO METAL AT CAR C/L	39.26	39.26	38.91	40.61	40.34	38.27	41.03	40.34	38.27	41.03	35.16	----
H29	INTERIOR BODY HEIGHT - METAL TO METAL AT C/L O	40.38	40.38	40.05	41.68	42.26	40.22	42.66	42.26	40.22	42.66	38.79	----
VISION & CONTROL													
H6	H POINT TO WINDSHIELD BOTTOM DLO	18.86	18.86	18.86	18.86	19.29	19.29	19.29	19.29	19.29	19.29	19.76	19.76
H64	H POINT TO WINDSHIELD UPPER DLO	32.04	32.04	32.04	31.84	32.23	32.23	32.23	32.23	32.23	32.23	31.03	31.03
L49	H POINT TO WINDSHIELD UPPER DLO	18.28	18.28	18.28	18.24	15.00	15.00	15.00	15.00	15.00	15.00	13.78	13.78
H25	BELT HEIGHT - FRONT	17.31	17.31	17.31	17.31	17.52	17.52	17.52	17.52	17.52	17.52	17.10	17.10
W7	STEERING WHEEL CENTER TO CENTERLINE OF CAR	13.67	13.67	13.67	13.67	15.08	15.08	15.05	15.05	15.05	15.05	13.67	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	21°7'42"	21°7'42"	21°7'42"	21°7'42"	20°4'14"	20°4'14"	20°4'14"	20°4'14"	20°4'14"	20°5'32"	17°50'	17°50'
H49	H POINT TO TOP OF STEERING WHEEL	22.98	22.98	22.98	22.98	22.95	22.95	22.95	22.95	22.95	22.95	22.82	22.82
L7	STEERING WHEEL TORSO CLEARANCE	13.17	13.17	13.17	13.17	12.64	12.64	12.64	12.64	12.64	12.64	11.86	11.86
H13	STEERING WHEEL THIGH CLEARANCE	4.05	4.05	4.05	4.05	5.20	5.20	5.20	5.20	5.20	5.20	4.91	4.91
L13	BRAKE PEDAL KNEE CLEARANCE	← 32.12 Manual,		25.82 Power →		← 24.50 Manual, 26.			88 Power →			23.6(a)	23.6(a)
L52	BRAKE PEDAL TO ACCELERATOR	← 4.28 Manual,		1.48 Power →		← 4.38 Manual, 1.			96 Power →			4.28(b)	4.28(b)
W122	TUMBLE-HOME	18°15'	18°15'	18°15'	18°15'	21°6'	21°6'	21°6'	21°6'	21°6'	21°6'	23°50'	23°50'

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

(a) Power 26.35, Disc 25.92 (b) Power 1.56, Disc 1.96

1969 AMERICAN MOTORS CORP.
STATION WAGON THIRD SEAT DIMENSIONS *
AMA SPECIFICATIONS SUPPLEMENT
ISSUED ... 10-1-68

CODE NO	DESCRIPTION	REBEL 4-Door Wagon 6918-7	AMBASSADOR 4-Door Wagon 6988-5 6988-7		
	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	- -	- -		
H89	EFFECTIVE T POINT HEADROOM	- -	- -		
H90	H POINT TO HEEL HARD	11.55	11.55		

STATION WAGON CARGO SPACE DIMENSIONS *

		Rambler 4-Door Wagon 6908-5	Rebel 4-Door Wagon 6918 6918-7	Ambassador 4-Door Wagon 6988-5 6988-7	
L200	MAXIMUM CARGO LENGTH - FRONT SEAT	99.43	114.90	114.90	
L201	MAXIMUM CARGO LENGTH - SECOND SEAT	67.06	78.83	78.83	
L202	CARGO LENGTH AT FLOOR - FRONT SEAT	76.78	92.63	92.63	
L203	CARGO LENGTH AT FLOOR - SECOND SEAT	43.47	56.53	56.53	
L204	CARGO LENGTH AT BELT - FRONT SEAT	70.00	82.73	82.73	
L205	CARGO LENGTH AT BELT - SECOND SEAT	37.37	46.74	46.74	
L206	CARGO LENGTH AT ROOF - FRONT SEAT	64.77	75.33	75.33	
L207	CARGO LENGTH AT ROOF - SECOND SEAT	32.90	39.36	39.36	
W200	CARGO WIDTH - FRONT	(1)	(2)	(2)	
W201	CARGO WIDTH - WHEELHOUSE	41.80	45.08	45.08	
W203	REAR OPENING WIDTH AT FLOOR	50.70	53.66	53.66	
W204	OPENING WIDTH AT BELT	50.00	53.60	53.60	
W205	MAXIMUM REAR OPENING WIDTH ABOVE BELT	50.00	45.60	45.60	
H201	MAXIMUM CARGO HEIGHT	29.69	31.72	31.72	
H202	REAR OPENING HEIGHT	26.20	27.84	27.84	
H250	TAILGATE TO GROUND HEIGHT	26.54	24.75	24.75	
V2	CARGO VOLUME	66.00	91.12	91.12	

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

(1) 53.44 (1" Forward of Tailgate Pillar)

(2) 2-Seat: 57.12 (1" Forward of Tailgate Pillar)
3-Seat: 53.86 (8" Forward of Tailgate Pillar)

AMA Specifications—Passenger Car

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