

AMA Specifications—Passenger Car 14081

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MANUFACTURER	CHRYSLER-PLYMOUTH DIVISION CHRYSLER CORPORATION	CAR NAME	PLYMOUTH FURY
MAILING ADDRESS	DETROIT, MICHIGAN 48231	MODEL YEAR	1970
		ISSUED:	9-29-69
		REVISED	(●) 2-27-70

NOTES:

- The General Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
- UNLESS OTHERWISE INDICATED:
 - Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - Nominal design dimensions are used throughout these specifications.

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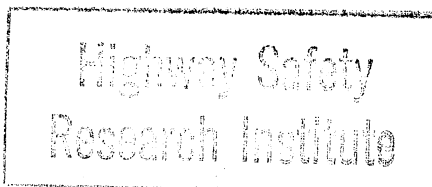
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BODY — TYPES AND STYLE NAMES —

Body type, style names; use manufacturer's code for series & body style.

		2-Door Sedan	2-Door Hardtop	2-Door Conv. Coupe	2-Door Formal Hardtop	4-Door Sedan	4-Door Hardtop	2-Seat Station Wagon	3-Seat Station Wagon
		21	23	27	29	41	43	45	46
Fury I	Six	PE 21				PE 41			
	V-8								
Fury II	Six	PL 21				PL 41			
	V-8								
Fury III	Six		PM23			PM41			
	V-8			PM27	PM29		PM43		
Sport Fury	V-8		PH 23		PH 29	PH 41	PH 43		
* Sport Fury S23	V-8		PS23						
* Sport Fury GT	V-8		PP23						
Suburban	Six							PL45	
	V-8								PL46
Custom Suburban	V-8							PM45	PM46
Sport Suburban								PH45	PH46

* Special Model of PH23



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MAKE OF CAR PLYMOUTH FURY MODEL YEAR 1970 DATE ISSUED 9-29-69 REVISED (*)2-27-70

CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for:

4-Dr. Sedan, 2-Dr. H.T., 4-Dr. H.T., Convertible and Station Wagon.

MODEL	SAE Ref. No.	21	23	27	29	41	43	45	46
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WIDTH

Track – Front	W101	62.1			
Track – Rear	W102	62.0		63.4	
Maximum overall car width	W103	79.5		79.6	
Body width at No. 2 pillar	W117	79.5		79.6	

LENGTH

Body "O" to front of dash	L 30	-2.3						
Wheelbase	L101	120					122	
Overall car length	L103	214.9					220.6	
Overhang – front	L104	36.2						
Overhang – rear	L105	58.7					62.4	
Body upper structure length	L123	101.0	104.5	109.6	101.0	109.4	101.0	
Body "O" line to ϕ of rear wheel	L127	97.8					99.8	
Body "O" line to w/s cowl point	L130	4.4						

HEIGHT

Passenger Distribution (front & rear)		2-front, 3-rear								
Trunk/Cargo load (lbs.)		None						150		
Overall height		H101	54.4	53.8	53.9	54.4	55.1	54.4	58.3(a)	58.3
Cowl height		H114	38.8						40.0(b)	40.0
Deck height		H138	37.8	37.5	35.7	36.4	35.7	36.4	--	
Rocker panel – front	To ground	H112	8.6						10.0(c)	10.0
	From front wheel ϕ		34.2							
Rocker panel – rear	To ground	H111	6.6 (e)						9.7(d)	9.7
	From rear wheel ϕ		16.6						8.6	
Windshield slope angle		H122	53° 20'							

GROUND CLEARANCE

Bumper to ground – front	H102	13.9(f)	14.6	13.9(f)	14.2
Bumper to ground – rear	H104	17.5(g)	15.5	17.5(g)	20.7
Angle of approach	H106	22.4(h)	23.5		16.2
Angle of departure	H107	17.0(j)	15.1		13.6
Ramp breakover angle	H147	12.1(k)	11.9	12.1(k)	11.9
Min. running clearance (Specify)	H156	4.6(1)			7.3(m)

(a) With 225 CID: 58.0

(b) With 225 CID: 39.7

(c) With 225 CID: 9.8

(d) With 225 CID: 9.5

(e) With 225 CID: 7.6

(f) V-8: 14.6

(g) V-8: 15.5

(h) V-8: 23.5

(j) V-8: 15.1

(k) V-8: 11.9

(1) Fuel tank to ground

(m) Exhaust system to ground

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PLYMOUTH
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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.	21	23	27	29	41	43	45	46
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FRONT COMPARTMENT

Effective head room	H61	38.0		38.9	38.5	38.8	38.0	40.1
Max. eff. leg room – accelerator	L34	41.8	41.7			41.8		
H Point to Heel point	H30	9.2	8.7			9.2		
H Point travel	L17	4.5						
Shoulder room	W 3	63.2						
Hip room	W 5	63.2						
Upper body opening to ground	H50	50.6	49.9	50.6		51.2	50.6	63.3

REAR COMPARTMENT

H Point couple distance	L50	35.0	33.0		35.0			35.9
Effective head room	H63	37.2	37.5	37.9	37.2	38.4	37.2	40.7
Min. effective leg room	L51	38.0	35.2		37.6	38.0		39.1
H Point to Heel point	H31	11.6	10.4		11.6			11.9
Min. knee room	L48	4.5	3.1		4.3	4.5		5.2
Rear Compartment room	L 3	28.4	26.5	26.4	28.2	28.4		29.0
Shoulder room	W 4	62.7	62.5	59.6	62.5	62.7		
Hip room	W 6	63.4		58.7	63.2	63.4		
Upper body opening to ground	H51	--				50.8	49.9	51.9

LUGGAGE COMPARTMENT

Usable luggage capacity	V 1			21.5		
Liftover height	H195	28.3(a)	26.4(b)	26.4	30.9	
Position of spare tire storage		Floor				Wheel well
Method of holding lid open		Torsion bar				--

STATION WAGON – THIRD SEAT

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

STATION WAGON – CARGO SPACE

Cargo length at floor – front seat	L202	99.0
Cargo length at belt – front seat	L204	88.2
Cargo width – Wheelhouse	W201	48.5
Opening width at belt	W204	51.2
Maximum cargo height	H201	32.4
Rear opening height	H202	(c)
Cargo volume index (cu. ft.) W4 x L204 x H201 1728	V2	104.2 (d)

(a) V-8: 26.4

(b) With 440 CID: 29.8

(c) 23:6 for tail gate; 29.1 for door

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

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POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY		ENGINE					TRANSMISSION	AXLE RATIO (a) (Std. first) (Indicate A/C ratio)
		Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		
6-Cyl	Std E, L & M	225	1, 1-V	8.4	145 @ 4000	215 @ 2400	Manual 3-Speed	3.23, 3.55*
							Automatic	3.23
V-8	Std Ex - GT	318	1, 2-V	8.8	230 @ 4400	320 @ 2000	Manual 3-Speed	3.21, 3.55*
							Automatic	2.71*, 2.76 ^(c) , 3.23
	Opt Ex - GT	383	1, 2-V	8.7	290 @ 4400	390 @ 2800	Manual 3-Speed	3.23
							Automatic	2.76, 3.23
	Opt Ex - GT	383	1, 4-V	9.5	330 @ 5000	425 @ 3200	Automatic	3.23, 2.76
							Automatic	2.76, 3.23
	Opt GT	440	3, 2-V	10.5	390 @ 4700	490 @ 3200	Automatic	3.23, 2.76
Station Wagons								
6-Cyl	Std E & L	225	1, 1-V	8.4	145 @ 4000	215 @ 2400	Automatic	3.23
							Automatic	3.23
V-8	Std	318	1, 2-V	8.8	230 @ 4400	320 @ 2000	Manual 3-Speed	3.23, 3.55*
							Automatic	2.94*, 3.23, 3.55*
	Opt	383	1, 2-V	8.7	290 @ 4400	390 @ 2800	Manual 3-Speed	3.23
							Automatic	2.76, 3.23
	Opt	383	1, 4-V	9.5	330 @ 5000	425 @ 3200	Automatic	3.23, 2.76
	Opt	440	1, 4-V	9.7	350 @ 4400	480 @ 2800	Automatic	3.23, 2.76

(a) Sure-Grip available on all ratios except as noted. Axle ratios do not change when A/C is installed.

(b) Std - GT, Opt all others

(c) 2.76 and 2.71 are interchangeable standard axle ratios

* Sure-Grip not available

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MAKE OF CAR FURY

MODEL YEAR 1970

DATE ISSUED 9-30-69 REVISED (e)

See Page 3 for Engine Usage

MODEL

225 CID

318 CID

383 CID 1, 2-V

ENGINE – GENERAL

Type, no. cyls., valve arr.		Six, in-line, OHV	90° V-8, OHV	
Bore and stroke (nominal)		3.4 x 4.12	3.91 x 3.31	4.25 x 3.38
Piston displacement, cu. in.		225	318	383
Bore spacing (C to C)		(a)	4.46	4.8
No. system (front to rear)	L. Bank	--	1-3-5-7	1-3-5-7
	R. Bank	--	2-4-6-8	2-4-6-8
Firing order		1-5-3-6-2-4	1-8-4-3-6-5-7-2	1-8-4-3-6-5-7-2
Compres. ratio (nominal)		8.4:1	8.8:1	8.7:1
Cylinder Head Material		Cast iron		
Cylinder Block Material		Cast iron		
Cyl. Sleeve-Wet,dry,none		None		
Number of mtg. points	Front	Two		
	Rear	One		
Engine installation angle		Lateral: 0° 06' Inclined rear to front 2° 30' to 3°		
Taxable horsepower	$\frac{\text{Dia}^2 \times \text{No. Cyl.}}{2.5}$	27.7	48.9	57.8
Publishing max. bhp* @ eng. RPM		145 @ 4000	230 @ 4400	290 @ 4400
Publishing max. torque * (lb. ft. @ RPM)		215 @ 2400	320 @ 2000	390 @ 2800
Recommended fuel regular – premium		Regular		

ENGINE – PISTONS

Material	Aluminum alloy		
Description and finish	Closed slipper-type, steel strut, elliptically turned, tin-plated		
Weight (piston only) oz.	16.4	20.9	27.2
Clearance (limits)	Top land	0.024 min.	0.018 min.
	Skirt	0.0005 to 0.0015	
		-0.0005 to +0.0015	
Ring groove depth	No. 1 ring	0.179	0.205
	No. 2 ring	0.179	0.205
	No. 3 ring	0.181	0.193
	No. 4 ring	--	

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

(a) 3.98 (1-2, 3-4, 5-6); 4.0 (2-3, 4-5)

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MODEL 383 CID 1, 4-V 440 CID 1, 4-V 440 CID 3, 2-V

ENGINE – GENERAL

Type, no. cyls., valve arr.		90° V-8, OHV		
Bore and stroke (nominal)		4.25 x 3.38	4.32 x 3.75	
Piston displacement, cu. in.		383	440	
Bore spacing (C to C)		4.8		
No. system (front to rear)	L. Bank	1-3-5-7		
	R. Bank	2-4-6-8		
Firing order		1-8-4-3-6-5-7-2		
Compres. ratio (nominal)		9.5:1	9.7:1	10.5:1
Cylinder Head Material		Cast iron		
Cylinder Block Material		Cast iron		
Cyl. Sleeve-Wet,dry,none		None		
Number of mtg. points	Front	Two		
	Rear	One		
Engine installation angle		Lateral: 0° 06' Inclined rear to front: 2°30' to 3°		
Taxable horsepower	Dia ² xNo. Cyl. 2.5	57.8	59.7	
Publishing max. bhp* @ eng. RPM		330 @ 5000	350 @ 4400	390 @ 4700
Publishing max. torque * (lb. ft. @ RPM)		425 @ 3200	480 @ 2800	490 @ 3200
Recommended fuel regular – premium		Premium		

ENGINE – PISTONS

Material	Aluminum alloy		
Description and finish	Closed slipper-type, steel strut, elliptically turned, tin-plated		
Weight (piston only) oz.	27.2	30.2	
Clearance (limits)	Top land	0.022 min.	
	Skirt	Top	0.00025 to 0.00125
		Bottom	-0.00125 to +0.00125
Ring groove depth	No. 1 ring	0.220	0.224
	No. 2 ring	0.220	0.224
	No. 3 ring	0.228	0.193
	No. 4 ring	--	

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

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PLYMOUTH
MAKE OF CAR FURY **MODEL YEAR** 1970 **DATE ISSUED** 9-30-69 **REVISED** (•)
 See Page 3 for Engine Usage
MODEL 225 CID 318 CID 383 CID 1, 2-V

ENGINE – RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression	
	No. 2, oil or comp.	Compression	
	No. 3, oil or comp.	Oil	
	No. 4, oil or comp.	None	
Compression	Description - #1	Cast iron, twist and radius faced, tin-plated	(a)
	material, coating, etc. #2	Cast iron, reverse twist & taper, lubrite-coated	(b)
	Width	0.078	
	Gap	0.010 to 0.020	0.013 to 0.023
Oil	Description -	3-piece abutment-type, stainless steel	
	material, coating, etc.	spacer-expander with chrome-plated segments	
	Width	0.188	
	Gap	Not applicable	
Expanders		See above	

ENGINE – PISTON PINS

Material		Carbon steel - carburizing grade		
Length		2.965	2.995	3.565
Diameter		0.9008	0.9842	1.0936
Type	Locked in rod, in piston, floating, etc.	Press-fit in rod	Floating	Press-fit in rod
	Bush- ing	In rod or piston	Rod	None
	Material	--	Bronze on steel	--
Clearance	In piston	0.00045 to 0.00075	0.0000 to 0.0005	0.00045 to 0.00075
	In rod	(c)	0.0001 to 0.0006	(c)
Direction & amount offset in piston		Right 0.06		Right 0.09

ENGINE – CONNECTING RODS

Material		Drop-forged steel		
Weight (oz.)		26.8	25.6	28.6
Length (center to center)		6.699	6.123	6.358
Bearing	Material & Type	Lead-base babbitt on steel	Bi-metal grid	Tri-metal
	Overall length	0.985	0.843	0.927
	Clearance (limits)	0.0005 to 0.0025		0.0007 to 0.0032
	End play	0.006 to 0.012	0.006 to 0.014 (2 rods)	

- (a) Cast iron, reverse twist and radius faced, tin-plated
 (b) Cast iron, reverse twist and taper, tin-plated
 (c) 0.0007 to 0.0014 interference

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 MODEL 383 CID 1, 4-V 440 CID 1, 4-V 440 CID 3, 2-V

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		
Compres- sion	Description - #1	(a)	(b)	(c)
	material, coating, etc. #2	Cast iron, reverse twist and taper, tin-plated		
	Width	0.078		
	Gap	0.013 to 0.023		
Oil	Description -	3-piece abutment-type stainless steel, spacer-expander with chrome-plated segments		(d)
	material, coating, etc.			
	Width	0.188		0.113
	Gap	Not applicable		
Expanders		See above		

ENGINE – PISTON PINS

Material			Carbon steel - carburizing grade		
Length			3.565		3.385
Diameter			1.0936		
Type	Locked in rod, in piston, floating, etc.		Press-fit in rod		
	Bush- ing	In rod or piston	None		
		Material	--		
Clearance	In piston		0.00045 to 0.00075		
	In rod		0.0007 to 0.0014 interference		
Direction & amount offset in piston			Right 0.09		

ENGINE – CONNECTING RODS

Material		Drop-forged steel		
Weight (oz.)		28.6		29.8
Length (center to center)		6.358		6.768
Bearing	Material & Type		Tri-metal	
	Overall length		0.927	
	Clearance (limits)		0.0007 to 0.0032	
	End play		0.009 to 0.017 (2 rods)	

- (a) Cast iron, reverse twist and radius faced, tin-plated
 (b) Cast iron, twist and radius-faced, tin-plated
 (c) Cast iron, twist and barrel-lap faced, moly-filled
 (d) 3-piece stainless steel spacer-expander with chrome-plated segments

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PLYMOUTH		MODEL YEAR 1970		DATE ISSUED 9-30-69		REVISED (•)			
MAKE OF CAR FURY		See Page 3 for Engine Usage							
MODEL	225 CID		318 CID		383 CID		440 CID		
					2-V		4-V		
						4-V		3, 2-V	

ENGINE – CRANKSHAFT

Material		Drop-forged steel	Cast ductile iron	Drop-forged steel		
Vibration damper type		Non-adhesive, rubber, dynamic				
End thrust taken by bearing (No.)		Three				
Crankshaft end play		0.002 to 0.007				
Main bearing	Material & type		Lead-base babbitt on steel, removable, precision (a)			
	Clearance		0.0005 to 0.0025 specified, 0.0005 to 0.0015 desired			
	Journal dia. and bearing overall length	No. 1	2.75 x 1.034	2.5 x 0.872	2.625 x 0.944	2.75 x 0.944
		No. 2	2.75 x 1.034	2.5 x 0.872	2.625 x 0.944	2.75 x 0.944
		No. 3	2.75 x 1.254	2.5 x 1.151	2.625 x 1.223	2.75 x 1.223
		No. 4	2.75 x 1.034	2.5 x 0.872	2.625 x 0.944	2.75 x 0.944
		No. 5	--	2.5 x 1.562	2.625 x 0.944	2.75 x 0.944
		No. 6	--			
		No. 7	--			
	Dir. & amt. cyl. offset		None			
Crankpin journal diameter		2.187	2.125	2.38		

ENGINE – CAMSHAFT

Location		Right	Center of "V" above crankshaft		
Material		Hardenable cast iron, oil pump and distributor drive gear cast integrally			
Bearings	Material		Lead-base babbitt on steel		
	Number		Four	Five	
Type of Drive	Gear or chain		Chain		
	Crankshaft gear or sprocket material		Malleable cast iron or sintered iron (Super Oilite)		
	Camshaft gear or sprocket material		Nylon-coated aluminum		
	Timing chain	No. of links	50	68	50
		Width	.88	.63	.75
		Pitch	.50	.375	.50

ENGINE – VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)		NA	Std
Valve rotator, type (intake, exhaust)		Low-friction lock on exhaust	
Rocker ratio		1.5:1	
Operating tappet clearance (indicate hot or cold)	Intake	0.010 hot	Hydraulic
	Exhaust	0.020 hot	Hydraulic

- (a) 440 CID 4-V: tin alloy on steel No. 3 main only (continued)
 440 CID 3, 2-V: all main bearings tin alloy on steel

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MAKE OF CAR FURY **MODEL YEAR** 1970 **DATE ISSUED** 9-30-69 **REVISED** (•)

See Page 3 for Engine Usage

MODEL 225 CID 318 CID 383 CID 1, 2-V

ENGINE—VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	10	18
		Closes (°ABC)	50	58
		Duration - deg.	240	256
	Exhaust	Opens (°BBC)	50	58
		Closes (°ATC)	6	10
		Duration - deg.	236	248
	Valve opening overlap		16	20
Intake	Material		SAE 1041	
	Overall length		4.77	4.86
	Actual overall head dia.		1.62	2.08
	Angle of seat & face		Seat: 44.5 to 45.0; valve: 45.0 to 45.5	
	Seat insert material		None	
	Stem diameter		0.372 to 0.373	0.3723 to 0.3730
	Stem to guide clearance		0.001 to 0.003	0.0010 to 0.0027
	Lift (• zero lash)		0.397	0.425
	Outer spring press. & length	Valve closed (lb. @ in.)	63 @ 1.65	125 @ 1.86
		Valve open (lb. @ in.)	156 @ 1.26	200 @ 1.42
Exhaust	Inner spring press. & length	Valve closed (lb. @ in.)	None	
		Valve open (lb. @ in.)	None	
	Material		21-2N	21-2N
	Overall length		4.80	4.89
	Actual overall head dia.		1.36	1.74
	Angle of seat & face		Seat: 44.5 to 45.0; valve: 45.0 to 45.5	
	Seat insert material		None	
	Stem diameter		0.371 to 0.372	(a)
	Stem to guide clearance		0.002 to 0.004	(b)
	Lift (• zero lash)		0.393	0.437
	Outer spring press. & length	Valve closed (lb. @ in.)	63 @ 1.65	125 @ 1.86
		Valve open (lb. @ in.)	156 @ 1.26	200 @ 1.42
	Inner spring press. & length	Valve closed (lb. @ in.)	None	
		Valve open (lb. @ in.)	None	

ENGINE—LUBRICATION SYSTEM

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

(a) Hot end: 0.3713 to 0.3720; cold end: 0.3723 to 0.3730
 (b) Hot end: 0.0020 to 0.0037; cold end: 0.0010 to 0.0027

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 MODEL 383 CID 1, 4-V 440 CID 1, 4-V 440 CID 3, 2-V

ENGINE — VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	18	21
		Closes (°ABC)	58	67
		Duration - deg.	256	268
	Exhaust	Opens (°BBC)	66	79
		Closes (°ATC)	14	25
		Duration - deg.	260	284
	Valve opening overlap		32	46
Intake	Material		SAE 1041	
	Overall length		4.86	
	Actual overall head dia.		2.08	
	Angle of seat & face		Seat: 44.5 to 45.0; valve: 45.0 to 45.5	
	Seat insert material		None	
	Stem diameter		0.3723 to 0.3730	
	Stem to guide clearance		0.0010 to 0.0027	
	Lift (± zero lash)		0.425	0.450
	Outer spring press. & length	Valve closed (lb. ± in.)	105 @ 1.86	115 @ 1.86 •
		Valve open (lb. ± in.)	234 @ 1.40	310 @ 1.37 •
	Inner spring press. & length	Valve closed (lb. ± in.)	None	Surge damper
		Valve open (lb. ± in.)	None	Surge damper
Exhaust	Material		21-2N	
	Overall length		4.89	
	Actual overall head dia.		1.74	
	Angle of seat & face		Seat: 44.5 to 45.0; valve: 45.0 to 45.5	
	Seat insert material		None	
	Stem diameter		Hot end: 0.3713 to 0.3720; Cold end: 0.3723 to 0.3730	
	Stem to guide clearance		Hot end: 0.0020 to 0.0037; Cold end: 0.0010 to 0.0027	
	Lift (± zero lash)		0.437	0.465
	Outer spring press. & length	Valve closed (lb. ± in.)	105 @ 1.86	115 @ 1.86 •
		Valve open (lb. ± in.)	234 @ 1.40	310 @ 1.37 •
	Inner spring press. & length	Valve closed (lb. ± in.)	None	Surge damper
		Valve open (lb. ± in.)	None	Surge damper

ENGINE — LUBRICATION SYSTEM

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

(Continued)

AMA Specifications—Passenger Car

PLYMOUTH
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See Page 3 for Engine Usage

MODEL	225 CID	318 CID	383 CID 1, 2-V	383 CID 1, 4V 440 CID 1, 4V	440 CID 3, 2-V
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ENGINE – LUBRICATION SYSTEM (cont.)

Oil pump type	Rotary
Normal oil pressure (lb. @ engine rpm)	45 to 65 @ 2000
Oil press. sending unit (elect. or mech.)	Electric
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part., other)	Full flow
Filter replacement (element, complete)	Complete
Capacity of c/case, less filter-refill (qt.)	4 6
Oil grade recommended (SAE viscosity and temperature range)	Consistently above +32F. SAE 10W-30, 20W-40, or 30 Occasionally as low as -10F SAE 10W-30 Consistently between +32F and -10F. . SAE 10W-30 or 10W Consistently below +10F. SAE 5W-20
Engine Service Reqmt. (MM, MS, etc.)	MS

ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Single	Single with crossover		Dual	
Muffler No. & type (reverse flow, straight thru, separate resonator)		One, reverse flow			Two, reverse flow	
Exhaust pipe dia. (O.D., wall thick.)	Branch	--	1.88x0.067	2.00x0.120	--	
	Main	2.00x0.067	2.25x0.067	2.50x0.075	2.25x0.075	2.50x0.075
Tail pipe dia. (O.D. & wall thickness)		1.88x0.043	2.00x0.043	2.25x0.043	2.00x0.043	

ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Induction system
	Optional	--
Control Unit	Make and model	2951243 or 2951891
	Location	Cylinder head cover outlet
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold vacuum
	Control method (variable orifice, fixed orifice, other)	Variable orifice
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Intake manifold, at or below base of carburetor
	Air inlet (breather cap, carburetor air cleaner, other)	Tube from carburetor air cleaner intake horn to oil filler cap
	Flame arrestor (screen, check valve, other)	Check valve

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All Engines

MODEL

ENGINE – EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)	Engine Modifications: Cleaner Air System		
Air Injection Pump	Type	Not applicable	
	Displacement	"	
	Drive ratio	"	
	Drive type	"	
	Relief valve (type)	"	
	Filter (describe)	"	
Air Injection System	Air distribution (head, manifold, etc.)	"	
	Point of entry	"	
	Injection tube I.D.	"	
	Check valve type	"	
	Backfire protection (type)	"	
Carburetor	Make	See page 10	
	Model	"	
	Barrel size	"	
	Idle speed	Drive	"
		Neutral	"
	Idle A/F mixture	"	
Distributor	Aux. Adv. Systems (type)	None	
	Make	Chrysler	
	Model	See page 13A	
	Cent'fgal adv. in crank degrees @ eng. rpm	Start (rpm)	"
		Intermed. points deg. @ rpm	"
		Max. deg. @ rpm	"
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)	"
		Intermed. points deg. @ in. Hg	"
		Max. deg. @ in.	"
Vacuum Source	Carburetor port		
Timing - Crank degrees @ rpm	See page 13		
Cooling System	None		
Exhaust System	None		

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PLYMOUTH

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See Page 3 for Engine Usage

MODEL

225 CID

318 CID

383 CID 1, 2-V

383 CID 1, 4-V

ENGINE – FUEL SYSTEM

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

Induction type: Carburetor, fuel injection, supercharger.		Carburetor				
Fuel	Refill capacity (U.S. gals.)	24, except 22 on station wagons				
Tank	Filler location	Rear center except left rear fender on station wagons				
Fuel	Type (elec. or mech.)	Mechanical				
Pump	Locations	(a)	Right front of engine			
	Pressure range	3.5 to 5.0	5.0 to 7.0	3.5 to 5.0		
Vacuum booster (std., optional, none)		None				
Fuel	Type	Fuel tank - plastic; fuel line - paper				
Filter	Locations	One in fuel tank, one in supply line				
Carburetor	Choke type	Automatic, separate				
	Intake manifold heat control (exhaust or water)	Exhaust				
	Air cleaner type	Standard	Paper element			
		Optional	--			
	Idle speed (spec. neutral or drive)	Manual	750	750	--	
		Automatic	700	700	650	700
neutral	Idle A/F mix.	14.0 to 14.4				

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors			No. Used and Type	Barrel Size
			Make	Ex. Calif.	Calif. Only		
All	225	Manual	Holley	R-4351A	R-4353A	1, 1-V	1.69
		Automatic		R-4352A	R-4354A		
All	318	Manual	Carter	BBD-4721S	BBD-4723S	1, 2-V	1.44
Without A/C		Automatic		BBD-4722S	BBD-4724S		
With A/C				BBD-4895S			
All	383	Manual	Holley	R-4370-1A	R-4372-1A	1, 2-V	1.56
Without A/C		Automatic		R-4371-1A	R-4373-1A		
With A/C				R-4373-1A			
All		Manual	Carter	BBD-4725S	BBD-4727S		
Without A/C		Automatic		BBD-4726S	BBD-4728S		
With A/C				BBD-4894S			
Without A/C	383	Automatic	Carter	AVS-4736S	AVS-4734S	1, 4-V	P: 1.44 S: 1.69
With A/C				AVS-4732S			

(a) Right center of engine

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See Page 3 for Engine Usage

MODEL

440 CID 1, 4-V

440 CID 3, 2-V

ENGINE – FUEL SYSTEM

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

Induction type: Carburetor, fuel injection, supercharger.		Carburetor	
Fuel Tank	Refill capacity (U.S. gals.)	24, except 22 on station wagons	
	Filler location	Rear center except left rear fender on station wagons	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Right front of engine	
	Pressure range	3.5 to 5.0	
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Fuel tank - plastic; fuel line-paper	
	Locations	One in fuel tank, one in supply line	
Carburetor	Choke type	Automatic, separate	(a)
	Intake manifold heat control (exhaust or water)	Exhaust	
	Air cleaner type	Standard	Paper element
		Optional	--
	Idle speed (spec. neutral or drive)	Manual	--
		Automatic	650 900
	neutral	Idle A/F mix.	14.0 to 14.4

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors			No. Used and Type	Barrel Size
			Make	Ex. Calif.	Calif. Only		
All	440	Automatic	Holley	R-4366A	R-4360A	1, 4-V	1.56
All	440	Automatic	Holley	Front		3, 2-V	
				R-4382A	R-4175A		1.75
				Rear			
				R-4383A	R-4365A		1.75
				Center			
				R-4376A	R-4144-1A		1.50

(a) Automatic, separate on center carburetor only

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PLYMOUTH
MAKE OF CAR FURY **MODEL YEAR** 1970 **DATE ISSUED** 9-30-69 **REVISED** (a)
 See Page 3 for Engine Usage
MODEL 225 CID 318 CID 383 CID 440 CID
 1, 2-V 1, 4-V 1, 4-V 3, 2-V

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)	Pressure vented				
Radiator cap relief valve pressure	16				
Circulation thermostat	Type (choke, bypass)	Choke, pellet			
	Starts to open at (°F)	190	195	190 195 190	
Water pump	Type (centrifugal, other)	Centrifugal			
	GPM @ 1000 pump rpm	--			
	Number of pumps	One			
	Drive (V-belt, other)	V-belt			
	Bearing type	Ball, integral shaft, permanently sealed			
By-pass recirculation type (inter., ext.)	External	Internal			
Radiator core type (cellular, tube and fin, other)	Tube and spacer				
Cooling system capacity	With heater (qt.)	13	16	14.5 15.5	
	Without heater (qt.)	12	15	13.5 14.5	
	Opt. equipment-specify (qt.) A/C	13	16	15.0 17.0	
Water jackets full length of cyl. (yes, no)	No	Yes	No		
Water all around cylinder (yes, no)	Yes				
Radiator hose	Lower	Number and type (molded, straight)	One, molded		
		Inside diameter	1.50	1.75	
	Upper	Number and type (molded, straight)	One, molded		
		Inside diameter	1.50		
	By-pass	Number and type (molded, straight)	One Straight	One Molded	None
		Inside diameter	0.68	0.80	--
Fan	Number of blades & spacing	4	7		
	Diameter	17	18		
	Ratio-fan to crankshaft rev.	1.07:1	0.95:1		
	Fan cutout type	Thermal		Torque	
	Bearing type	See water pump bearing above			
*Drive belts (indicate belt used by letter)	Fan	A	D (a)	G (d)	
	Generator or alternator	A	D (b)	G (e)	
	Water Pump	A	D (a)	G (d)	
	Power Steering	B	E (c)	H	
	Air Conditioning	C	F	L	

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K	L
Angle of V Degrees	36	36	36	36	36	36	36	36	36	36	36	36
Nominal length (SAE)	57.0	39.0	53.0	47.50	38.0	54.0	44.75	42.5	36.5	45.5	37.0	59.0
Width	.38	.38	.50	.38	.38	.38	.38	.38	.38	.38	.38	.38

(a) With AC: K; with AC with power steering: J

(d) With AC: I

(b) With AC: F

(c) With AC: J

(e) With AC: L

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PLYMOUTH

MAKE OF CAR FURY

MODEL YEAR 1970

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See Page 3 for Engine Usage

MODEL

225 CID	318 CID	383 CID	440 CID
		1, 2-V	1, 4-V
		1, 4-V	3, 2-V

ELECTRICAL — SUPPLY SYSTEM

Battery	Make and Model		2875951	2875320	2642969
	Voltage Rtg. & Total Plates		12, 54	12, 66	12, 78
	SAE Designation & Amp. Hr. Rtg.		46 amp	59 amp	70 amp
	Location		Left front fender side shield		
Generator or Alternator	Terminal grounded		Negative		
	Make		Chrysler		
	Model		3438172		
	Type and rating (b)		37 amp (c)		
Regulator	Output at engine idle (neutral)		--		
	Ratio—Gen. to Cr/s rev.		2.70:1	2.55:1 (d)	
	Make		Chrysler		
	Model		3438150		
	Type		Voltage control		
	Cutout relay	Closing voltage generator rpm	--		
		Reverse current to open	--		
	Regu- lated	Voltage	13.8 to 14.4 @ 80° ambient		
		Current	--		
	Voltage test conditions	Temperature	80° F		
		Load	15 amp		
	Other		--		

ELECTRICAL — STARTING SYSTEM

Starting Motor	Make		Chrysler		
	Model		2875560		
	Rotation (drive end view)		Clockwise		
Motor control	Switch (solenoid, manual)		Solenoid		
	Starting procedure		(e)		
Motor Drive	Engagement type		Solenoid		
	Pinion meshes (front, rear)		Front		
	Number of teeth	Pinion	10		
		Flywheel	Manual	122	-- 130 143
	Flywheel tooth face width	Auto.	122	130	
		Manual	0.340	--	0.340
	Auto.		0.340		

(a) Mopar

(b) Three-phase full-wave rectified

(c) With AC: 50 amp

(d) With AC: 2.44:1

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

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PLYMOUTH
MAKE OF CAR FURY **MODEL YEAR** 1970 **DATE ISSUED** 9-30-69 **REVISED** (•)
 See Page 3 for Engine Usage

MODEL	225 CID	318 CID	383 CID		440 CID	
			1, 2-V	1, 4-V	1, 4-V	3, 2-V

ELECTRICAL – IGNITION SYSTEM

Type	Conventional – Std., Opt., N.A.		Std						
	Transistorized – Std., Opt., N.A.		NA						
	Other (specify)		--						
Coil	Make		Chrysler-Essex or Chrysler-Prestolite						
	Model		2444241		2444242				
	Amps	Engine stopped	3.0						
		Engine idling	1.9						
Distributor	Make		Chrysler			Prestolite			
	Model		See page 13A						
	Cent'fgal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)	"						
		Intermediate points deg.@rpm	"						
		Max. deg.@rpm	"						
	Vacuum adv. in c/shaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	"						
		Intermediate points, deg. @ in. Hg.	"						
		Max. deg. in. Hg.	--						
	Timing	Breaker gap (in.)		(a)	(b)	0.016 to 0.021		(c)	(b)
		Cam angle (deg.)		41 to 46	30 to 34	28.5 to 32.5		(e)	(d)
Breaker arm tension (oz.)		17 to 20					(f)		
Crankshaft deg.@rpm		See page 13A							
Spark Plug	Make & Model	Mopar	P-6-6P	P-3-6P	P-3-4P	P-3-5P	P-3-4P		
		Champion	N-14Y	J-14Y	J-11Y	J-13Y	J-11Y		
	Thread (mm)		14 mm						
	Tightening torque (lb. ft.)		30 to 32						
	Gap		0.035						
Cable	Conductor type		Resistor						
	Insulation type		(g)	Synthetic rubber with Hypalon jacket					
	Spark plug protector		Hypalon	Silicone					

ELECTRICAL – SUPPRESSION

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

- (a) 0.017 to 0.023
 (b) 0.014 to 0.019
 (c) 0.016 to 0.021
 (d) One set of points 27 to 32; both sets of points 37 to 42
 (e) 28.5 to 32.5
 (f) 17 to 21.5
 (g) Synthetic rubber with Neoprene jacket

AMA Specifications—Passenger Car

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MAKE OF CAR FURY MODEL YEAR 1970 DATE ISSUED 10-1-69 REVISED (*) 2-27-70

AVAILABILITY

(See Page 3 for Engine Usage)

		225 CID	318 CID	383 CID		440 CID	
				2-V	4-V	1, 4-V	3, 2-V
Distributor	Manual	2875822	3438255	3438231	3438233	3438219	3438314
	Automatic	2875826	3438225				2875982
Timing (a)	Manual	TDC	TDC	10 BTC	12 1/2 BTC	12 1/2 BTC	BTC
	Automatic			--			

(a) Transmission in neutral, crankshaft degrees @ engine idle RPM (see page 10). Distributor solenoid disengaged.

SPECIFICATIONS

DISTRIBUTOR PART NUMBER	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Degrees at Inches of Mercury	
	Start	Intermediate	Maximum	Start	Maximum
2875822	2 to 10 @ 1100	18.4 to 22.4 @ 1800	24 to 28 @ 4000	1 to 7 @ 10	10.5 to 15.25 @ 15
2875826	2 to 10 @ 1100	18.4 to 22.4 @ 1800	24 to 28 @ 4000	1 to 7 @ 7	10.5 to 15.25 @ 10
2875982	0 to 10.6 @ 1200	18 to 22 @ 1700	24 to 28 @ 4800	1 to 7 @ 11	19 to 25 @ 15.5
3438219	1 to 7.4 @ 1300	11.4 to 15.4 @ 1800	24 to 28 @ 4600	1 to 8.6 @ 10.5	19.4 to 24 @ 15.5
3438225	2 to 12 @ 1100	17 to 21 @ 1600	28 to 32 @ 4200	1.5 to 4.5 @ 12	8.5 to 21.5 @ 15
3438231	0 to 7.6 @ 1100	15 to 19 @ 1700	28 to 16 @ 4400	1.0 to 4 @ 7.5	18.6 to 23.6 @ 12
3438233	0 @ 950	16.5 @ 1600	26 @ 3600	1 to 8.6 @ 10.5	19.4 to 24 @ 15.5
3438255	2 to 12 @ 1100	17 to 21 @ 1600	28 to 32 @ 4200	2 to 8 @ 10.5	16.5 to 21.5 @ 15
3438314	0 to 9.0 @ 1300	18 to 22 @ 1900	24 to 28 @ 4800	1 to 7 @ 11	19 to 25 @ 15.5

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PLYMOUTH

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All Models

MODEL

ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speed-ometer	Type	In-line drive
	Trip odometer (yes,no)	No
Charge indicator – type		Ammeter
Temperature indicator – type		Electric, thermal
Oil pressure indicator – type		Light
Fuel indicator – type		Electric, thermal
Other		Brake system and parking brake warning light
Wind-shield wiper	Type – Standard	Electric, 2-speed
	Type – Optional	Electric, 3-speed
Wind-shield washer	Type – Standard	Electric
	Type – Optional	--
	Type	Four-inch sea shell
Horn	Number used	2
	Amp draw (each)	Sparton: 6-8 amp; Prestolite: 4-6 amp

DRIVE UNITS – CLUTCH (Manual Transmission)

MODEL		225 CID	318 CID	383 CID
Make & type		Auburn, Borg & Beck	Borg & Beck	
Type pressure plate springs		Coil		
Total spring load (lb.)		1375	1693	2181
No. of clutch driven discs		One		
Clutch facing	Material	Woven asbestos		
	Outside & inside dia.	9.25 x 6.00	10.5 x 6.5	11.0 x 6.5
	Total eff. area (sq.in.)	77	106.8	123.6
	Thickness	0.114	0.125	0.135
	Engagement cushioning method	Two-piece cushion	Flat-wave springs	
Release bearing	Type & method of lubrication	Ball bearing, permanently lubricated		
Torsional damping	Methods: springs, friction material	Coil springs and friction washers		

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MAKE OF CAR FURY **MODEL YEAR** 1970 **DATE ISSUED** 10-1-69 **REVISED** (•)
 See Page 3 for Engine Usage

MODEL	225 CID	318 CID	383 CID		440 CID	
			1, 2-V	1, 4-V	1, 4-V	3, 2-V

DRIVE UNITS – TRANSMISSIONS

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

DRIVE UNITS – MANUAL TRANS.

Number of forward speeds		3	
		With 225, 318 CID	With 383 CID 1, 2-V
Transmission ratios	In first	3.08	2.55
	In second	1.70	1.49
	In third	1.00	
	In fourth	--	
	In reverse	2.90	3.34
Synchronous meshing, specify gears		1, 2, 3	
Shift lever location		Column	
Lubricant	Capacity (pt.)	4.75	
	Type recommended	DEXRON Type Automatic Transmission Fluid	
	SAE viscosity number	Summer	NA
		Winter	NA
		Extreme cold	NA

DRIVE UNITS – MANUAL TRANS. W/OVERDRIVE

(For transmission data see manual transmission section)

Type (planetary or other)		
Manual lockout (yes, no)		
Downshift accelerator control (yes, no)		
Minimum cut-in speed		
Gear ratio		
Lubricant	Capacity (pt.) (Overdrive only)	
	Separate filler (yes, no)	
	Type recommended	
	SAE viscosity number	Summer
		Winter
		Extreme cold

AMA Specifications—Passenger Car

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MAKE OF CAR FURY **MODEL YEAR** 1970 **DATE ISSUED** 10-1-69 **REVISED** (a)
 See Page 3 for Engine Usage

MODEL	225 CID	318 CID	383 CID		440 CID	
			2-V	4-V	4-V	3, 2-V

DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name		TorqueFlite					
Type describe		Torque converter with automatically-operated planetary gear transmission					
Selector location		Lever: steering column or console-mounted					
List gear ratios Selector Pattern and indicate which are used in each selector position		Reverse: 2.20 Drive: 2.45, 1.45, 1.00 2: 2.45, 1.45 1: 2.45					
Max. upshift speed—drive range		69	88	90	93	90	93
Max. kickdown speed—drive range		61	78	81	84	81	84
Torque converter	Number of elements	Three					
	Max. ratio at stall	2.1:1		2.0:1	2.1:1	2.0:1	
	Type of cooling (air, liquid)	Liquid					
	Nominal diameter	10.75		11.75	10.75	11.75	
Lubricant	Capacity—refill (pt.)	17.0	16.0	19.0	16.0	19.0	
	Type recommended	DEXRON Automatic Transmission Fluid or Type AQF-ATF-2848A					
Special transmission features		None					

DRIVE UNITS – PROPELLER SHAFT

Number used		One			
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Internal vibration absorber			
Outer diam. x length* x wall thickness	Manual 3-speed trans.	3.00 x 54.05 (b, c)			--
	Manual 4-speed trans.	NA			
	Overdrive transmission	NA			
	(a) Automatic transmission	2.75 x 58.12 (b, d)	3.25 x 58.17 (c)	3.25 x 54.13 (c)	3.25 x 53.64 (e)

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

(Continued)

- (a) All wall thickness 0.065
 (b) Straight tube
 (c) Station wagon: 3.25 x 56.17
 (d) Station wagon: 3.00 x 60.16
 (e) Station wagon: 3.25 x 55.68

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 See Page 3 for Engine Usage

MODEL	225 CID	318 CID	383 CID		440 CID
			1, 2-V	1, 4-V	

DRIVE UNITS – PROPELLER SHAFT (cont.)

Inter- mediate bearing	Type (plain, anti-friction)		None			
	Lubrication (fitting, prepack)		None			
Slip Yoke	Type		Sliding spline			
	Number of teeth		25 (a)	25 (b)	29 (c)	29
	Spline O.D.		1.156 (a)	1.156 (b)	1.325 (c)	1.325
Universal joints	Make and Mfg. No.		Chrysler 7260			Chrysler 7290
	Number used		Two			
	Type (ball and trunnion,cross)		Cross			
	Rear attach.(u-bolt,clamp,etc.)		C-clamp			
	Bearing	Type (plain, anti-friction)	Anti-friction			
		Lubric.(fitting, prepack)	Prepack			
Drive taken through (torque tube or arms, springs)			Rear springs			
Torque taken through (torque tube or arms, springs)			Rear springs			

DRIVE UNITS – AXLE

Type (front, rear)			Rear		
Description		Housing	Unitized	Separable	
		Ring gear	8-1/4 OD	8-3/4 OD	
Limited Slip differential, type		None		Friction bias	
Drive Pinion Offset		1.85		1.50	
No. of differential pinions		Two			
Pinion adjustment (shim, other)		Shim			Washer
Pinion bearing adj. (shim, other)		Collapsible spacer			Shims
Wheel bearing type		Straight roller		Tapered roller	
Lubricant	Capacity (pt.)		4.0		
	Type recommended		MIL-L-2105B 2933565		
	SAE viscosity number	Summer	Above -10F. SAE 90		
		Winter	Between -10F and -30F . . SAE 80		
		Extreme cold	Below -30F. SAE 75		

AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio	2.71	2.76	2.94	3.21	3.23	3.55
No. of teeth	Pinion	17	17	16	14	13
	Ring gear	46	47	47	45	42
Ring Gear O.D.	8-1/4	8 3/4		8 1/4	8 3/4	

- (a) Station wagon with automatic transmission: 29, 1.325
 (b) Station wagon with manual transmission: 29, 1.325
 (c) With manual transmission: 25, 1.156 except station wagon

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PLYMOUTH
MAKE OF CAR FURY **MODEL YEAR** 1970 **DATE ISSUED** 10-1-69 **REVISED** (*)2-27-70

MODEL	Except Station Wagon		Station Wagon
	Except Sport Fury GT	Sport Fury GT	

DRIVE UNITS – WHEELS

Type & material		Disc steel		
Rim (size & flange type)	Std.	15 x 5.5 JJ	15 x 6.0 JJ (a)	15 x 6.5 JJ
	Opt.	15 x 6.0 JJ (b) 15 x 6.0 JJ (a)	--	
Attachment	Type (bolt or stud)	Stud		
	Circle diameter	4.5		
	Number and size	Five, 1/2-20 NF		

MODEL _____

DRIVE UNITS – TIRES

Standard	Size, ply rating, & ply		F78 x 15, 4-2/4 (c)	H70 x 15, 4-2/4	J78 x 15, 4-2/4
	Type (bias, radial, etc.)		Bias with fiberglass belt		
	Full rated Inflation Press.	Front	30	26	22
		Rear	30	26	32
	Rev./Mile at 50 MPH		785	744(e)	723
Optional	Size, ply rating, & ply		H78 x 15, 4-2/4 H70 x 15, 4-2/4 (d)	--	

BRAKES – PARKING

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

- (a) Styled wheel
 (b) Non-styled wheel, used with H70 x 15 tire
 (c) With AC and 383 or 440 CID: H78 x 15 standard
 (d) Heavy duty suspension required
 (e) Rev/Mile @ 45 mph

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		Drum Brakes			383 4-V,
		225; 318; 383, 2-V	383, 4-V; 440;	440 Hi-Perf;	440 4-V,
		Exc 45, 46	All 45, 46	440, 3, 2-V	440 3, 2-V(d)

MODEL _____

BRAKES – SERVICE

Type (drum) or (disc & no. of pistons)				Drum			Disc, one	
Self adjusting (std., opt., N.A.)				Std				
Special Valving		Type (proportion, delay, metering, other)			None			(a)
Power brake make & type (remote, int., etc.)		Std.		--				Integral
		Opt.		Integral				--
Effective area (sq. in.) *				195.1	216.4		220.1	145.1
Gross lining area (sq. in.) **				202.1	223.4		234.1	145.1
Swept area (sq. in.) ***				328.3	362.8		380.1	393.2
Front to Rear Effectiveness Relationship				Front 60%; rear 40%				
Drum	Diameter (nominal)	Front		11.0				--
		Rear		11.0				
	Type and material		Cast composite or cast iron					Cast iron
Rotor	Outer working diameter			--				11.75
	Inner working diameter			--				7.725
	Working width			--				2.0
	Material & type (vented/solid)			--				Vented
Wheel cylinder bore	Front			1.187				2.75
	Rear			0.9375				
Master Cylinder	Bore			1.0				1.125
	displacement	Front %		60				75
		Rear %		40				25
	distribution							
Pedal arc ratio				Manual: 6.7 Power: 3.12				
Line pressure at 100 lb. pedal load				1235				1155
Shoe Clearance	Front			No major adjustment				
	Rear			No major adjustment				
Brake lining	Bonded or riveted			Bonded				
	Front Wheel	Material		Molded asbestos				
		Size (length x width x thickness)	Prim. or out-board	9.31 x 2.75 x 0.19		9.31 x 3.00 x 0.19	10.13 x 0.44(b)	
			Second. or in-board	11.97 x 2.75 x 0.24		11.47 x 3.00 x 0.24	10.13 x 0.44(b)	
		Segments per shoe		One				
		Rear Wheel	Material		Molded asbestos			
	Size (length x width x thickness)		Prim. or out-board	9.31 x 2.00 x 0.19 (c)	9.31 x 2.50 x 0.19			
			Second. or in-board	11.97 x 2.00 x 0.24 (c)	11.97 x 2.50 x 0.24			
	Segments per shoe		One					

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

*** Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

(a) Front: proportioning valve; rear: residual pressure valve

(b) Area x Thickness

(c) With manual transmission 2.5 lining width

(d) Station wagons with all engines

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PLYMOUTH

MAKE OF CAR FURY MODEL YEAR 1970 DATE ISSUED 3-6-70 REVISED ^(a)

Disc Brakes

225, 318, 383, 2-V Exc 45, 46

MODEL _____ Manual Transmission _____ Automatic Transmission _____

BRAKES — SERVICE

Type (drum) or (disc & no. of pistons)				Disc, One				
Self adjusting (std., opt., N.A.)				STD				
Special Valving		Type (proportion, delay, metering, other)		Front: proportioning valve;		Rear: residual pressure valve		
Power brake make & type (remote, int., etc.)		Std.		Integral				
		Opt.		--				
Effective area (sq. in.) *				145.1		124.1		
Gross lining area (sq. in.) **				145.1		124.1		
Swept area (sq. in.) ***				393.2		358.7		
Front to Rear Effectiveness Relationship				Front 60%; Rear 40%				
Drum	Diameter (nominal)		Front		--			
			Rear		11.0			
	Type and material		Cast Iron					
Rotor	Outer working diameter			11.75				
	Inner working diameter			7.725				
	Working width			2.0				
	Material & type (vented/solid)			Vented				
Wheel cylinder bore	Front			2.75				
	Rear			0.9375				
Master Cylinder	Bore			1.125				
	displacement distribution	Front %		75				
		Rear %		25				
	Pedal arc ratio				Power: 3.12			
Line pressure at 100 lb. pedal load				1155				
Shoe Clearance	Front			No Major Adjustment				
	Rear			No Major Adjustment				
Brake lining	Bonded or riveted			Bonded				
	Front Wheel	Material		Molded Asbestos				
		Size (length x width x thickness)	Prim. or out-board		10.13 x 0.44 (Area x Thickness)			
			Second. or in-board		10.13 x 0.44 (Area x Thickness)			
		Segments per shoe			One			
	Rear Wheel	Material		Molded Asbestos				
		Size (length x width x thickness)	Prim. or out-board		9.31 x 2.50 x 0.19		9.31 x 2.00 x 0.19	
			Second. or in-board		11.97 x 2.50 x 0.24		11.97 x 2.00 x 0.24	
		Segments per shoe			One			

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

*** Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

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PLYMOUTH		MODEL YEAR 1970		DATE ISSUED 10-1-69		REVISED (•)	
MAKE OF CAR FURY		Except Station Wagon		Station Wagon			
MODEL							

STEERING

Manual (std., opt., NA)				Std			
Power (std., opt., NA)				Opt			
Adjustable steering wheel (tilt, swing, other)		Type and description		Tilt			
		(std., opt., NA)		Opt, power steering and automatic or 4-speed required			
Wheel diameter		Manual		16.0			
		Power		16.0			
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)		45.8		46.4	
		Curb to curb (l. & r.)		42.8		43.5	
	Inside rear	Wall to wall (l. & r.)		25.4		26.0	
		Curb to curb (l. & r.)		26.2		26.7	
Manual	Gear	Type		Recirculating ball			
		Make		Chrysler			
		Ratios	Gear	24.0:1			
			Overall	29.2:1			
	No. wheel turns (stop to stop)		5.8				
Power	Type (coaxial, linkage, etc.)		Integral				
	Make		Chrysler				
	Gear	Type		Recirculating ball			
		Ratios	Gear	15.7:1			
			Overall	19.12:1			
			Pump driven by		Belt from crankshaft pulley		
	No. wheel turns (stop to stop)		3.5				
	Linkage	Type		Parallelogram, trailing, equal length tie rods			
Location (front or rear of wheels, other)		Rear					
Drag link (trans. or longit.)		Transverse center link					
Tie rods (one or two)		Two					
Inclination at camber (deg.)		9.0 @ 0°					
Steering Axis	Bearings (type)	Upper		Ball joint			
		Lower		Ball joint			
		Thrust		Oil impregnated sintered metal			
		Whl. Align. (range at curb wt. & preferred)		Manual steering -1/2 ± 1/2 Power steering -1/2 ± 1/2			
		Camber (deg.)		Left: +1/2 ± 1/4 Right: +1/4 ± 1/4			
		Toe-in (outside track inches)		1/8" ± 1/32"			
Steering spindle & joint type				Ball joint			
Wheel Spindle	Diameter	Inner bearing		1.2494			
		Outer bearing		0.7494			
	Thread size		3/4-16 UNF-3A				
	Bearing type		Roller				

AMA Specifications—Passenger Car

PLYMOUTH
MAKE OF CAR FURY **MODEL YEAR** 1970 **DATE ISSUED** 10-1-69 **REVISED** (•)
 See Page 3 for Engine Usage
MODEL

225 CID Exc 45	318 CID Exc 45, 46	383 CID Exc 45, 46	440 CID Exc 45, 46	All 45, 46
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SUSPENSION – GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling		Manual adjustment at torsion bar anchor bolt	
Provision for brake dip control		By inclined upper control arms and asymmetrical rear springs	
Provision for acc. squat control		Asymmetrical rear springs	
Special provisions for car jacking		None	
Shock absorber front & rear	Type	Direct	
	Make	Chrysler	
	Piston dia.	1.0	
Other special features		--	

SUSPENSION – FRONT

Type and description		Independent, lateral, nonparallel control arms with torsion bars				
Spring	Type	Torsion bar				
	Material	Chromium alloy steel				
	Size (coil design height & I.D.; bar length x dia.)	44.0 x 0.96	44.0 x 0.98	44.0 x 0.94	44.0 x 0.98	44.0 x 0.94
	Spring rate (lb. per in.)	NA				
	Rate at wheel (lb. per in.)	105	115	113	131	113
Stabilizer	Type (link, linkless, frameless)	NA		Std, link		
	Material & bar diameter	--		0.92		

SUSPENSION – REAR

Type and description		Parallel, longitudinal leaf			
Drive and torque taken through		Rear springs			
Spring	Type	Semi-elliptical, asymmetrical			
	Material	Chromium alloy steel			
	Size (length x width, coil design height & I.D.; bar length & dia.)	59 x 2.5			62 x 2.5
	Spring rate (lb. per in.)	95		120	125
	Rate at wheel (lb. per in.)	113		140	147
	Mounting insulation type	Rubber			
	If leaf	No. of leaves	5	6	6-1/2
Stabilizer	Shackle (comp. or tens.)	Compression			
	Type (link, linkless, frameless)	None			
	Material	--			
Track bar type		None			

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PLYMOUTH	MODEL YEAR 1970				DATE ISSUED 10-2-69				REVISED (a)
MAKE OF CAR FURY	21	23	27	29	41	43	45	46	
MODEL									

FRAME

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

BODY – MISCELLANEOUS INFORMATION

Drs. hinged (front, rr.)	Front doors	Front					
	Rear doors	-- Front					
Type of finish (lacquer, enamel, other)	Buffable acrylic enamel						
Hood counterbalanced (yes, no)	Yes						
Hood release control (internal, external)	External						
Vehicle Ident. No. location	Left end instrument panel						
Engine No. location	NA						
Theft protection - type	Pin tumbler key locks on ignition switch, doors, luggage compartment, lockable steering and transmission shift						
Vent window control method (crank, friction pivot)	Front	Crank					
	Rear	None					
	Front	FW					
Seat cushion type *	Rear	FW				ZZ	
	3rd seat	--				ZZ	
Seat back type *	Front	C	C(a)	FW	C(b)	FW	C(c)
	Rear	FW				C	
	3rd seat	--				C	
Windshield glass type (i.e., single curved - laminated plate)	Single, curved, laminated, safety plate						
Side glass type (i.e., curved - tempered plate)	Curved, heat treated, safety sheet						
Backlight glass type (i.e., compound curved - tempered plate, three piece)	Single, curved, heat treated, safety sheet, station wagons - flat						
Windshield glass exposed surface area	1317				1464	1317	1464
Side glass exposed surface area	1301	1250	1147	1449	1363	1285	2993
Backlight glass exposed surface area	843	1033	893	843	1271	843	870
Total glass exposed surface area	3461	3600	3357	3609	4098	3445	5327

(a) Sport Fury and Sport Fury GT: FW

(b) Fury III and Sport Fury : FW

(c) Sport Suburban: FW

*C: Coil, FW: formed wire, ZZ: zigzag

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MAKE OF CAR **PLYMOUTH FURY** MODEL YEAR **1970** DATE ISSUED **10-2-69** REVISED (●) **2-27-70**
 MODEL **Fury I, Fury II, Suburban** **Fury III, Custom Suburban** **Sport Fury, Sport Fury "S23", "GT" & Sport Suburban**

CONVENIENCE EQUIPMENT

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

Power windows	Side windows	Opt (NA 2-door sedans)	
	Vent windows	NA	
	Backlight or tailgate	Standard all suburbans; NA others	
Power seats (specify type as well as availability)		Bench seat: Opt all models Bucket seat: Opt Fury III, Sport Fury, Sport Suburban	
Reclining front seat back (R-L or both)		NA	(a) (b)
Front seat head restrainer (R-L or both)		Standard	
Radios (specify type as well as availability)		Opt: AM; AM with stereo tape; AM/FM stereo	
Rear seat speaker		Optional	
Power antenna		NA	
Clock		Optional	
Air conditioner (specify type and availability)		Opt: front unit; dual unit also optional in suburbans (c)	
Speed warning device		Opt (V-8 engine, power brakes, & automatic transmission required)	
Speed control device		Opt (V-8 engine, power brakes, & automatic transmission required)	
Ignition lock lamp		Opt	
Dome lamp		Standard except convertible	
Glove compartment lamp		Opt	Std
Luggage compartment lamp		Opt	Std
Underhood lamp		Opt: dealer installed	
Courtesy lamp		Std: convertible	
Map lamp		Opt	
Auto. trans. quad. lamp		Standard with automatic transmission	
Cornering light lamp		NA	
Shoulder belts		Std: front; Opt: rear except convertible	
Electric door locks		Optional	
Headlight "ON" buzzer		Optional	
Headlight time delay		Optional	

LAMP HEIGHT AND SPACING

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

* If single headlamps are used enter here.

(a) Standard with optional bucket seats.

(b) Standard with optional bucket seats or 50/50 split back bench seat.

(c) NA with 440 CID 3, 2-V or 383 CID 1, 2-V with manual transmission; dual unit NA with 6 cylinder.

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MAKE OF CAR FURY MODEL YEAR 1970 DATE ISSUED 10-1-69 REVISED (•) 2-27-70

6-CYLINDER MODELS

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MAKE OF CAR FURY MODEL YEAR 1970 DATE ISSUED 10-1-69 REVISED (•) 2-27-70

Note: All curb weights include automatic transmission

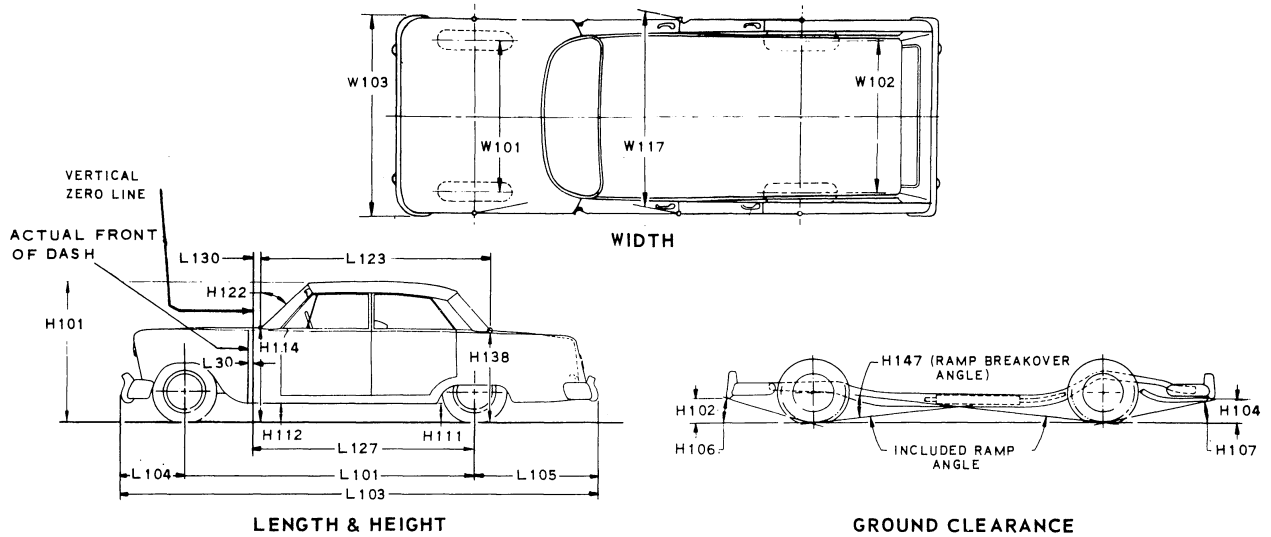
*Reference – SAE Aerospace-Automotive drawing standards, Section E 1.02 (d).

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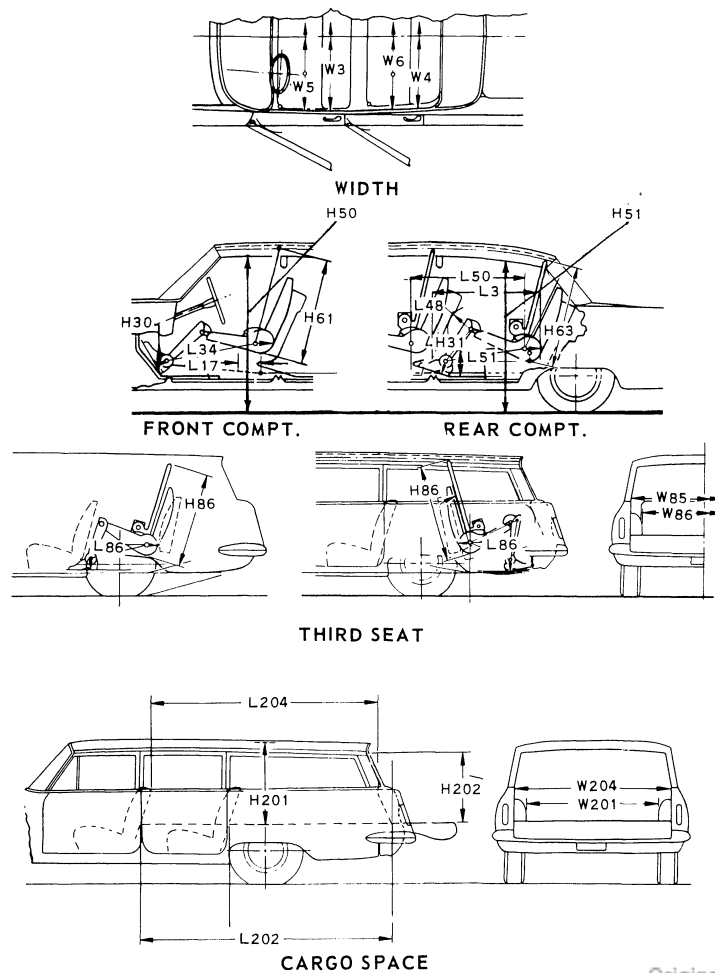
CAR AND BODY DIMENSIONS

KEY SHEET

EXTERIOR CAR AND BODY DIMENSIONS



INTERIOR CAR AND BODY DIMENSIONS



AMA Specifications—Passenger Car

CAR AND BODY DIMENSIONS

KEY SHEET

DIMENSION DEFINITIONS

EXTERIOR WIDTH DIMENSIONS

- W101 WHEEL TREAD — FRONT. Measured at centerline of tires, with nominal camber, at ground.
 W102 WHEEL TREAD — REAR. Measured at centerline of tires at ground.
 W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.
 W117 MAXIMUM BODY WIDTH AT #2 PILLAR. Measured across body at #2 pillar, excluding hardware and applied moldings.

EXTERIOR LENGTH DIMENSIONS

- L 30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (–) sign.
 L101 WHEELBASE.
 L103 OVERALL LENGTH. Include bumper guards if standard equipment.
 L104 OVERHANG — FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.
 L105 OVERHANG — REAR. Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.
 L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.
 L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
 L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

EXTERIOR HEIGHT DIMENSIONS

- H101 OVERALL HEIGHT — DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.
 H114 COWL POINT TO GROUND. Measured at vehicle centerline.
 H138 DECK POINT TO GROUND. Measured at vehicle centerline.
 H112 ROCKER PANEL TO GROUND — FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.
 H111 ROCKER PANEL TO GROUND — REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.
 H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.

GROUND CLEARANCE DIMENSIONS

- H102 BUMPER TO GROUND — FRONT. Minimum dimension, includes bumper guards.
 H104 BUMPER TO GROUND — REAR. Minimum dimension, includes bumper guards.
 H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
 H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
 H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.
 H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

FRONT COMPARTMENT DIMENSIONS

- H 61 EFFECTIVE HEAD ROOM — FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
 L 34 MAXIMUM EFFECTIVE LEG ROOM — ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.
 H 30 H POINT TO HEEL POINT — FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
 L 17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.

FRONT COMPARTMENT DIMENSIONS (Cont.)

- W 3 SHOULDER ROOM — FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.
 W 5 HIP ROOM — FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.
 H 50 UPPER BODY OPENING TO GROUND — FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.

REAR COMPARTMENT DIMENSIONS

- L 50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
 H 63 EFFECTIVE HEAD ROOM — REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
 L 51 MINIMUM EFFECTIVE LEG ROOM — REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.
 H 31 H POINT TO HEEL POINT — REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
 L 48 MINIMUM KNEE ROOM — REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
 L 3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
 W 4 SHOULDER ROOM — REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.
 W 6 HIP ROOM — REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.
 H 51 UPPER BODY OPENING TO GROUND — REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

LUGGAGE COMPARTMENT DIMENSIONS

- V 1 LUGGAGE CAPACITY — USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.
 H195 LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

STATION WAGON — THIRD SEAT DIMENSIONS

- W 85 SHOULDER ROOM — THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
 W 86 HIP ROOM — THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.
 L 86 EFFECTIVE LEG ROOM — THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
 H 86 EFFECTIVE HEAD ROOM — THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.

STATION WAGON — CARGO SPACE DIMENSIONS

- L202 CARGO LENGTH AT FLOOR — FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.
 L204 CARGO LENGTH AT BELT — FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.
 W201 CARGO WIDTH — WHEELHOUSE. The minimum horizontal dimension, measured between wheelhouse at floor level.
 W204 OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.
 H201 MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.
 H202 REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail-and liftgates fully open.
 V 2 CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

W4xL204xH201

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AMA Specifications—Passenger Car

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