

AMA-40A
1970

AMA Specifications—Passenger Car

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MANUFACTURER	DODGE DIVISION CHRYSLER CORPORATION	CAR NAME	DODGE DART
MAILING ADDRESS	DETROIT, MICHIGAN 48231	MODEL YEAR	1970
		ISSUED	7-15-69
		REVISED (•)	1-15-70

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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Car & Body Dimensions	1, 2	Drive Units	14	Suspensions	21
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BODY — TYPES AND STYLE NAMES —		Body type, style names; use manufacturer's code for series & body style.	
		2-Door Hardtop 23	4-Door Sedan 41
Dart	Six		LL 41
	V-8		
Swinger	Six	LL 23	
	V-8		
Swinger 340	V-8	LM 23	
Dart Custom	Six	LH 23	LH 41
	V-8		

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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. 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.	23	41
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WIDTH

Track - Front	W101	57.4	
Track - Rear	W102	55.6	
Maximum overall car width	W103	69.7	
Body width at No. 2 pillar	W117	69.6	

LENGTH

Body "O" to front of dash	L 30	9.5	
Wheelbase	L101	111	
Overall car length	L103	196.2	
Overhang - front	L104	35.3	
Overhang - rear	L105	49.9	
Body upper structure length	L123	91.2	92.5
Body "O" line to C of rear wheel	L127	97.2	
Body "O" line to w/s cowl point	L130	10.8	

HEIGHT

Passenger Distribution (front & rear)		2-front, 3-rear	
Trunk/Cargo load (lbs.)		None	
Overall height	H101	53.0	54.0
Cowl height	H114	36.7	36.8
Deck height	H138	35.2	35.0
Rocker panel - front	To ground	7.8	
	From front wheel C	29.3	
Rocker panel - rear	To ground	6.6	6.5
	From rear wheel C	24.2	
Windshield slope angle	H122	50° 30'	

GROUND CLEARANCE

Bumper to ground - front	H102	11.4	11.6
Bumper to ground - rear	H104	19.6 (a)	19.4
Angle of approach	H106	18.8	19.2
Angle of departure	H107	22.4 (b)	22.2
Ramp breakover angle	H147	12.1	
Min. running clearance (Specify)	H156	5.5 (c)	5.3 (c)

(a) V-8: 19.7

(b) V-8: 22.5

(c) Fuel tank to ground

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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.	23	41
FRONT COMPARTMENT			
Effective head room	H61	37.3	38.3
Max. eff. leg room — accelerator	L34		41.6
H Point to Heel point	H30		8.4
H Point travel	L17		4.5
Shoulder room	W 3		55.4
Hip room	W 5		57.2
Upper body opening to ground	H50	49.2	49.9
REAR COMPARTMENT			
H Point couple distance	L50	29.5	33.3
Effective head room	H63	36.7	37.3
Min. effective leg room	L51	31.7	35.8
H Point to Heel point	H31	10.3	11.1
Min. knee room	L48	0.5	3.3
Rear Compartment room	L 3	23.9	27.2
Shoulder room	W 4	55.2	55.5
Hip room	W 6	56.9	57.2
Upper body opening to ground	H51	--	49.5
LUGGAGE COMPARTMENT			
Usable luggage capacity	V 1		14.1
Liftover height	H195	27.7	27.4
Position of spare tire storage			Floor
Method of holding lid open			Torsion bar
STATION WAGON — THIRD SEAT			
Shoulder Room	W85		
Hip room	W86		
Effective leg room	L86		
Effective head room	H86		
Seat facing direction			
STATION WAGON — CARGO SPACE			
Cargo length at floor — front seat	L202		
Cargo length at belt — front seat	L204		
Cargo width — Wheelhouse	W201		
Opening width at belt	W204		
Maximum cargo height	H201		
Rear opening height	H202		
Cargo volume index (cu. ft.) #4 x L204 x H201 1728	V2		

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See Page 3 for Engine Usage

MODEL 198 CID 225 CID 318 CID 340 CID

ENGINE—GENERAL

Type, no. cyls., valve arr.		Six, in-line, OHV		90° V-8, OHV	
Bore and stroke (nominal)		3.4 x 3.64	3.4 x 4.12	3.91 x 3.31	4.04 x 3.31
Piston displacement, cu. in.		198	225	318	340
Bore spacing (C to C)		3.98 (1-2, 3-4, 5-6); 4.0 (2-3, 4-5)			4.46
No. system (front to rear)	L. Bank	--			1-3-5-7
	R. Bank	--			2-4-6-8
Firing order		1-5-3-6-2-4		1-8-4-3-6-5-7-2	
Compres. ratio (nominal)		8.4:1		8.8:1	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	$\frac{\text{Dia}^2 \times \text{No. Cyl.}}{2.5}$	27.7		48.9	52.2
Publishing max. bhp* (a eng. RPM)		125 @ 4400	145 @ 4000	230 @ 4400	275 @ 5000
Publishing max. torque* (lb. ft. @ RPM)		180 @ 2000	215 @ 2400	320 @ 2000	340 @ 3200
Recommended fuel regular - premium		Regular			Premium

ENGINE—PISTONS

Material	Aluminum alloy		
Description and finish	Closed slipper-type, steel strut, elliptically turned, tin-plated		Open slipper type
Weight (piston only) oz.	16.4	20.9	25.4
Clearance (limits)	Top land	0.024 min.	0.018 min.
	Skirt	Top	0.0005 to 0.0015
		Bottom	-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.

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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 Cast iron, twist and radius faced, tin-plated	(a)
		#2 Cast iron, reverse twist and taper, lubrite-coated	
	Width	0.078	
	Gap	0.010 to 0.020	0.013 to 0.023
Oil	Description - material, coating, etc.	3-piece abutment-type, stainless steel 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
Diameter		0.9008	0.9842
Type	Locked in rod, in piston, floating, etc.		Press-fit in rod Floating
	Bush- ing	In rod or piston	None
		Material	—
			Rod Bronze on steel
Clearance	In piston	0.00045 to 0.00075	0.0000 to 0.0005
	In rod	0.0007 to 0.0014 interference	0.0001 to 0.0006
Direction & amount offset in piston		Right 0.06	

ENGINE – CONNECTING RODS

Material		Drop-forged steel		
Weight (oz.)		26.8	25.6	26.7
Length (center to center)		6.699	6.123	
Bearing	Material & Type	Lead-base babbitt on steel	Bi-metal grid	Tri-metal
	Overall length	0.985	0.843	
	Clearance (limits)	0.0005 to 0.0025	0.0002 to 0.0027 •	
	End play	0.006 to 0.012	0.006 to 0.014 (2 rods)	

(a) Cast iron, twist and barrel-lap face, moly-filled

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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
		No. 2	2.75 x 1.034	2.5 x 0.872
		No. 3	2.75 x 1.254	2.5 x 1.151
		No. 4	2.75 x 1.034	2.5 x 0.872
		No. 5	--	2.5 x 1.562
		No. 6	--	--
		No. 7	--	--
	Dir. & amt. cyl. offset	None		
Crankpin journal diameter		2.187		2.125

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		(b)	
	Crankshaft gear or sprocket material		Malleable cast iron or sintered iron (Super Oilite)			Steel
	Camshaft gear or sprocket material		Nylon-coated aluminum			Cast iron
	Timing chain	No. of links	50		68	
		Width	0.88		0.63	0.87
		Pitch	0.50		0.375	

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) Aluminum alloy on steel, removable, precision, except No. 5 lead-base babbitt on steel.

(b) Double roller-chain

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ENGINE – VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	10		22
		Closes (°ABC)	50		66
		Duration - deg.	240		268
	Exhaust	Opens (°BBC)	50	58	74
		Closes (°ATC)	6	10	29
		Duration - deg.	236	248	276
	Valve opening overlap		16	20	44
	Material		SAE 1041		Silchrome XB
Overall length		4.77	4.97	4.99	
Actual overall head dia.		1.62	1.78	2.02	
Angle of seat & face deg		Seat: 44.5 to 45; valve: 45 to 45.5			
Seat insert material		None			
Stem diameter		0.372 to 0.373			
Stem to guide clearance		0.001 to 0.003			
Intake	Lift (w zero lash)		0.397	0.372	0.430
	Outer spring press. & length	Valve closed (lb. & in.)	63 @ 1.65	92 @ 1.65	96 @ 1.65
		Valve open (lb. & in.)	156 @ 1.26	189 @ 1.28	242 @ 1.21
	Inner spring press. & length	Valve closed (lb. & in.)	None		Surge damper
		Valve open (lb. & in.)	None		Surge damper
	Material		21 - 2N		21 - 4N
Overall length		4.80	5.00		
Actual overall head dia.		1.36	1.50	1.60	
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			
Stem to guide clearance		0.002 to 0.004			
Exhaust	Lift (w zero lash)		0.393	0.400	0.445
	Outer spring press. & length	Valve closed (lb. & in.)	63 @ 1.65	92 @ 1.65	96 @ 1.65
		Valve open (lb. & in.)	156 @ 1.26	189 @ 1.25	244 @ 1.20
	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	Splash
	Timing gear or chain	Jet
	Cylinder walls	Metered jet spray

(Continued)

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MODEL _____ 6-Cyl _____ 318 CID _____ 340 CID

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
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	1.75 x 0.067	--
	Main	1.88 x 0.067	2.00 x 0.067
Tail pipe dia. (O.D. & wall thickness)	1.75 x 0.043	1.88 x 0.043	2.25 x 0.075
			2.25 x 0.043 (a)

ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Induction system
	Optional	--
Make and model	2951244 or 2951892 (b)	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	
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 arrester (screen, check valve, other)	Check valve	

(a) 2.00 O.D. rearward of pickup over rear axle

(b) 225 CID: 2951243 or 2951891

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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 13	
	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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		See Page 3 for Engine Usage			
MODEL		198 CID	225 CID	318 CID	340 CID

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.)	18				
	Filler location	Outside left rear fender				
Fuel Pump	Type (elec. or mech.)	Mechanical				
	Locations	Right center		Right front		
	Pressure range	3.5 to 5.0		5.0 to 7.0		
Vacuum booster (std., optional, none)		None				
Fuel Filter	Type	Fuel tank: plastic; fuel line: paper				
	Locations	One in fuel tank, one in fuel 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	700	750	900
		Automatic	750	650	700	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		
6-Cylinder		198	Manual	Carter	BBS-4715S	BBS-4717S	1, 1-V	1.69
			Automatic		BBS-4716S	BBS-4718S		
		225	Manual	Holley	R-4351A	R-4353A		
			Automatic		R-4352A	R-4354A		
V-8	All	318	Manual	Carter	BBD-4721S	BBD-4723S	1, 2-V	1.44
	w/o A/C		Automatic		BBD-4722S	BBD-4724S		
	w/ A/C		Automatic		BBD-4895S	--		
	All	340	Manual	Carter	AVS-4933S	AVS-4936S	1, 4-V	P: 1.44 S: 1.69
	w/o A/C		Automatic		AVS-4934S	AVS-4937S		
	w/ A/C		Automatic		AVS-4935S	--		

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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	
Water pump	Type (centrifugal, other)	Centrifugal			
	GPM - 1000 pump rpm	NA			
	Number of pumps	One			
	Drive (V-belt, other)	V-belt			
	Bearing type	Ball, integral shaft, permanently sealed			
By-pass recirculation type (inter., ext.)		External			
Radiator core type (cellular, tube and fin, other)		Tube and spacer			
Cooling system capacity	With heater (qt.)	13	16	15	
	Without heater (qt.)	12	15	14	
	Opt. equipment-specify (qt.)	--	13	16	15
Water jackets full length of cyl. (yes, no)		No	Yes		
Water all around cylinder (yes, no)		Yes			
Radiator hose	Lower	Number and type (molded, straight)	One, molded		
		Inside diameter	1.50		
	Upper	Number and type (molded, straight)	One, molded		
		Inside diameter	1.50		
	By-pass	Number and type (molded, straight)	One, straight	One, molded	
		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	None		Thermal	
	Bearing type	See water pump bearing above			
*Drive belts (indicate belt used by letter)	Fan	A	D		
	Generator or alternator	A	D		
	Water Pump	A	D		
	Power Steering	B	E		
	Air Conditioning	--	C	F	

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	36	36	36	36	36	36					
Nominal length (SAE)	57.0	40.75	53.0	47.50	38.0	54.0					
Width	.38	.38	.50	.38	.38	.38					

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MODEL 198 CID 225 CID 318 CID 340 CID

ELECTRICAL – SUPPLY SYSTEM

Battery	Make and Model		2875951	
	Voltage Rtg. & Total Plates		12, 54	
	SAE Designation & Amp. Hr. Rtg.		46 amp-hr	
	Location		Left front fender shield	
	Terminal grounded		Negative	
Alternator	Make		Chrysler	
	Model		3438171	3438172
	Type and rating (a)		30 amp	37 amp
	Output at engine idle (neutral)		--	
	Ratio—Gen. to Cr/s rev.		2.70:1	2.55:1
Regulator	Make		Chrysler	
	Model		3438150	
	Type		Voltage control	
	Cutout relay	Closing voltage @ generator rpm	--	
		Reverse current to open	--	
	Regulated	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			With transmission in "Neutral" or "Park" depress accelerator pedal to floor and release.* Turn ignition key to start position and release when engine starts. When engine is running smoothly tap accelerator pedal to reduce fast idle speed.
Motor Drive	Engagement type			Solenoid
	Pinion meshes (front, rear)			Front
	Number of teeth	Pinion		10
		Flywheel	Manual	122
			Auto.	122
	Flywheel tooth face width		Manual	0.340
Auto.			0.340	

(a) Three-phase full-wave rectified

* If car is equipped with manual transmission, the clutch pedal must be held to the floor while starting engine.

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MODEL	MANUAL TRANSMISSION			
	198 CID	225 CID	318 CID	340 CID

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				
	Model		3438237	2875822	3438255	3438317	
	Cent'fgal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)	0 to 15 @ 1050	2 to 10 @ 1100	2 to 12 @ 1100	3 to 13 @ 1400	
		Intermediate points deg. @ rpm	18.6 to 22.6 @ 1500	18.4 to 22.4 @ 1800	17 to 21 @ 1600	16 to 20 @ 1800	
		Max. deg. @ rpm	24 to 28 @ 3200	24 to 28 @ 4000	28 to 32 @ 4200	--	
		Start (in. Hg.)	1 to 7 @ 7	1 to 7 @ 10	2 to 8 @ 10.5	2 to 9.2 @ 7.7	
	Vacuum adv. in c/shaft degrees @ in. Hg. (nominal)	Intermediate points, deg. @ in. Hg.	10.5 to 15.25 @ 10	10.5 to 15.25 @ 15	16.5 to 21.25 @ 15	14 to 20 @ 10.5	
		Max. deg. in. Hg.	--				
		Breaker gap (in.)	0.017 to 0.023		0.014 to 0.019		
	Cam angle (deg.)		41 to 46		30 to 34	(a)	
	Breaker arm tension (oz.)		17 to 20		17 to 21.5		
	Timing	Crankshaft deg. @ idle		±2 1/2 TDC	TDC		5 BTC
		Mark location		Vibration damper			
Spark Plug	Make		Champion (b)			Champion	
	Model		N-14Y (b)			N9Y	
	Thread (mm)		14				
	Tightening torque (lb. ft.)		30 to 32				
	Gap		0.035				
Cable	Conductor type		Resistor				
	Insulation type		Synthetic rubber with Neoprene		Synthetic rubber with Hypalon		
	Spark plug protector		Hypalon		Silicone		

ELECTRICAL – SUPPRESSION

Locations & type	Resistance type cables to coil and spark plugs
------------------	--

(a) One set of points: 27 to 32; both sets: 37 to 42

(b) or MoPar P-6-6P

AMA Specifications—Passenger Car

MAKE OF CAR DODGE DART MODEL YEAR 1970 DATE ISSUED 8-4-69 REVISED (e) 1-14-70

AUTOMATIC TRANSMISSION

MODEL _____ 198 CID 225 CID 318 CID 340 CID

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		
	Model		2875826	3438225	3438325
	Cent'fgal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)	2 to 10 @ 1100	2 to 12 @ 1100	3 to 11 @ 1300
		Intermediate points deg. @ rpm	18.4 to 22.4 @ 1800	17 to 21 @ 1600	16 to 20 @ 1700
		Max. deg. @ rpm	24 to 28 @ 4000	28 to 32 @ 4200	--
	Vacuum adv. in c/shaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	1 to 7 @ 7	2.5 to 8.5 @ 12	1 to 7 @ 9
		Intermediate points, deg. @ in. Hg.	10.5 to 15.25 @ 10	16.5 to 21.25 @ 15	14 to 20 @ 25
		Max. deg. in. Hg.	--		
	Breaker gap (in.)		0.017 to 0.023	0.014 to 0.019	
	Cam angle (deg.)		41 to 46	30 to 34	
Breaker arm tension (oz.)		17 to 20			
Timing	Crankshaft deg. @ idle		TDC	5 BTC	
	Mark location		Vibration damper		
Spark Plug	Make		Champion or MoPar P-6-6P		
	Model		N-14Y or MoPar P-6-6P		
	Thread (mm)		14		
	Tightening torque (lb. ft.)		30 to 32		
	Gap		0.035		
Cable	Conductor type		Resistor		
	Insulation type		Synthetic rubber with Neoprene	Synthetic rubber with Hypalon	
	Spark plug protector		Hypalon	Silicone	

ELECTRICAL – SUPPRESSION

Locations & type _____ Resistance type cables to coil and spark plugs

AMA Specifications—Passenger Car

MAKE OF CAR DODGE DART MODEL YEAR 1970 DATE ISSUED 7-16-69 REVISED (a)

MODEL _____ All Models

ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speedometer	Type	In-line drive pointer
	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, two-speed
	Type – Optional	Electric, variable-speed
Wind-shield washer	Type – Standard	Foot-operated pump
	Type – Optional	Electric
Horn	Type	Four-inch sea shells
	Number used	2 (a)
	Amp draw (each)	Sparton: 6-8 amp; Prestolite: 4-6 amp

DRIVE UNITS – CLUTCH (Manual Transmission)

MODEL		198 CID	225 CID	318 CID	340 CID
Make & type dry plate		Auburn, Borg and Beck		Borg and 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	
	Total eff. area(sq.in.)	77		106.8	
	Thickness	0.114		0.125	
	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			

(a) L price class: one horn standard; two optional

AMA Specifications—Passenger Car

MAKE OF CAR DODGE DART MODEL YEAR 1970 DATE ISSUED 7-16-69 REVISED (•) 1-15-70

MODEL	198 CID & 225 CID	318 CID	340 CID
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DRIVE UNITS – TRANSMISSIONS

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

DRIVE UNITS – MANUAL TRANS.

Number of forward speeds		3	3 (a)	3 (b)	4
Transmission ratios	In first	2.95	3.08	2.55	2.47
	In second	1.83	1.71	1.49	1.91
	In third	1.00	1.00		1.39
	In fourth	--	--		1.00
	In reverse	3.80	2.90	3.34	2.58
Synchronous meshing, specify gears		2, 3	1, 2, 3		1, 2, 3, 4
Shift lever location		Steering column	Steering column or floor		Floor or console
Lubricant	Capacity (pt.)	6.5	4.75		7.0
	Type recommended	DEXRON Type Auto. Trans. Fluid			SAE 140
	SAE viscosity number	Summer	NA		"
		Winter	NA		"
		Extreme cold	NA		SAE 90

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

(a) Used with 318

(b) Used with 340 CID

AMA Specifications—Passenger Car

MAKE OF CAR DODGE DART MODEL YEAR 1970 DATE ISSUED 7-16-69 REVISED ^(*) 1-15-70

See Page 3 for Engine Usage

MODEL	198 CID	225 CID	318 CID	340 CID
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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 2: 2.45, 1.45 1: 2.45			
Max. upshift speed—drive range		80	76	83	74
Max. kickdown speed—drive range		71	68	74	67
Torque converter	Number of elements	Three			
	Max. ratio at stall	2.1:1			
	Type of cooling (air, liquid)	Liquid			
	Nominal diameter	10.75			
Lubricant	Capacity—refill (pt.)	17.0		16.0	
	Type recommended	DEXRON Automatic Transmission Fluid or Type AQ-ATF-2848A			
Special transmission features		None			

DRIVE UNITS – PROPELLER SHAFT

Number used	One		
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Straight tube		
Outer diam. x length* x wall thickness	Manual 3-speed trans.	3.00 x 54.36 x 0.065 (internal vibration damper)	3.00 x 52.27 x 0.065
	Manual 4-speed trans.	--	2.75 x 48.96 x 0.065
	Overdrive transmission	NA	
	Automatic transmission	3.00 x 54.36 x 0.065	3.00 x 52.27 x 0.065

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

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR DODGE DART MODEL YEAR 1970 DATE ISSUED 7-16-69 REVISED (•) _____

See Page 3 for Engine Usage

MODEL _____ 198 CID 225 CID 318 CID 340 CID

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	29
	Spline O.D.		1.156	1.325
Universal joints	Make and Mfg. No.		Chrysler 7260	
	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	Carrier housing	Unitized	Separable
	Ring gear	7-1/4 OD	8-3/4 OD
Limited Slip differential, type	Friction bias		
Drive Pinion Offset	1.625	1.50	
No. of differential pinions	2		
Pinion adjustment (shim, other)	Washer		
Pinion bearing adj. (shim, other)	Solid spacer	Shim pack	
Wheel bearing type	Ball	Tapered roller	
	Capacity (pt.)	2	4
	Type recommended	MIL-L-2105-B 2933565	
Lubricant	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	2.76	3.23	3.55	3.91
No. of teeth	Pinion	17	13	11
	Ring gear	47	42	39
Ring Gear O.D.	7-1/4	7-1/4	8-3/4	7-1/4

AMA Specifications—Passenger Car

MAKE OF CAR DODGE DART MODEL YEAR 1970 DATE ISSUED 7-16-69 REVISED (a) 1-15-70MODEL 198, 225, 318 CID 340 CID

DRIVE UNITS – WHEELS

Type & material	Disc, steel		
Rim (size & flange type)	Std.	14 x 4.5 J	14 x 5.5 J
	Opt.	14 x 5.5 JJ (a)	
Attachment	Type (bolt or stud)	Stud	
	Circle diameter	4.0	
	Number and size	Five, 7/16-20 NF	

MODEL _____

DRIVE UNITS – TIRES

Standard	Size, ply rating, & ply		D78 x 14, 4-2/4	E70 x 14, 4-2/4
	Type (bias, radial, etc.)		Bias with fiberglass belt	
	Full rated Inflation Press.	Front	30	28
		Rear	30	28
	Rev./Mile at 50 MPH		798 (b)	
Optional	Size, ply rating, & ply		E70 x 14, 4-2/4	--

BRAKES – PARKING

Type of control	T-handle, hand-operated		
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) Rallye wheel

(b) With 26 psi front and rear

AMA Specifications—Passenger Car

MAKE OF CAR DODGE DART MODEL YEAR 1970 DATE ISSUED 7-16-69 REVISED (•) 1-15-70

MODEL	Drum Brakes		Disc Brakes
	6-Cyl	V-8	

BRAKES—SERVICE

Type (drum) or (disc & no. of pistons)				Drum		Disc, 4	
Self adjusting (std., opt., N.A.)				Std			
Special Valving	Type (proportion, delay, metering, other)			--		Front: Proportioning Rear: Residual pressure	
Power brake make & type (remote, int., etc.)		Std.		--		Tandem	
				Integral		--	
Effective area (sq. in.) *				153.4	156.2	102.3	
Gross lining area (sq. in.) **				153.4	156.2	102.3	
Swept area (sq. in.) ***				254.5	251.3	314.7	
Front to Rear Effectiveness Relationship				Front: 60 Rear: 40			
Drum	Diameter (nominal)	Front		10		--	
		Rear		9	10		
	Type and material		Centrifuse or cast composite				--
Rotor	Outer working diameter		--		10.79		
	Inner working diameter		--		7.16		
	Working width		--		1.81		
	Material & type (vented/solid)		--		Cast iron - vented		
Wheel cylinder bore	Front		1.187		1.638		
	Rear		0.8125	0.9375			
Master Cylinder	Bore		1.00				
	displacement distribution	Front	%	60	65		
		Rear	%	40	35		
Pedal arc ratio				Manual: 6.7 Power: 3.75			
Line pressure at 100 lb. pedal load				800			
Shoe Clearance	Front		No major adjustment required				
	Rear		"				
Brake lining	Bonded or riveted			Bonded			
	Front Wheel	Material		Molded asbestos			
		Size (length x width x thickness)	Prim. or out-board	8.46 x 2.25 x 0.19		4.82 x 1.84 x 0.4	
				11.06 x 2.25 x 0.24		4.82 x 1.84 x 0.4	
				Segments per shoe			
		Rear Wheel	Material		Molded asbestos		
	Size (length x width x thickness)		Prim. or out-board	7.66 x 2.00 x 0.19		8.46 x 1.75 x 0.19	
				9.82 x 2.00 x 0.24		11.06 x 1.75 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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MAKE OF CAR DODGE DART MODEL YEAR 1970 DATE ISSUED 7-16-69 REVISED (a)

MODEL _____ 6-Cyl _____ V-8 _____

STEERING

Manual (std., opt., NA)			Std		
Power (std., opt., NA)			Opt		
Adjustable steering wheel (tilt, swing, other)		Type and description	--		
		(std., opt., NA)	NA		
Wheel diameter		Manual	16.0		
		Power	16.0		
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	40.5		
		Curb to curb (l. & r.)	37.8		
	Inside rear	Wall to wall (l. & r.)	21.9		
		Curb to curb (l. & r.)	22.6		
Manual	Gear	Type	Recirculating ball		
		Make	Chrysler		
		Ratios	Gear	24.0:1	
			Overall	28.7:1	
	No. wheel turns (stop to stop)		5.3		
Power	Type (coaxial, linkage, etc.)		Integral		
	Make		Chrysler		
	Gear	Type	Recirculating ball		
		Ratios	Gear	15.7:1	
			Overall	18.8:1	
	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.)		7.5° @ 0°		
Steering Axis	Bearings (type)	Upper	Ball joint		
		Lower	Ball joint		
		Thrust	Oil impregnated sintered metal		
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)		Manual steering: -1/2° ± 1/2° Power steering: +3/4° + 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 inches	Inner bearing	Drum 1.0619	Disc 1.2494	1.2494
		Outer bearing	Drum 0.6869	Disc 0.7494	0.7494
	Thread size	Drum 11/16-24 NEF-3A (a)			3/4-16 UNF-3A
		Bearing type	Roller		

(a) For disc brakes: 3/4-16 UNF-3A

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MAKE OF CAR DODGE DART MODEL YEAR 1970 DATE ISSUED 7-30-69 REVISED ^(*) 1-15-70

See Page 3 for Engine Usage

MODEL

198 CID

225 CID

318 CID

340 CID

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		None

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.)	35.8 x 0.83	35.8 x 0.85 35.8 x 0.87
	Spring rate (lb. per in.)	Not applicable	
	Rate at wheel (lb. per in.)	85	92 100
Stabilizer	Type (link, linkless, frameless)	Link, optional (a)	
	Material & bar diameter	0.88	

SUSPENSION – REAR

Type and description		Parallel, longitudinal leaf		
Drive and torque taken through		Rear springs		
Spring	Type	Semielliptical, asymmetrical		
	Material	Chromium alloy steel		
	Size (length x width, coil design height & I.D.; bar length & dia.)	55 x 2.5		
	Spring rate (lb. per in.)	85	110	130
	Rate at wheel (lb. per in.)	105	132	150
	Mounting insulation type	Rubber		
	If leaf	No. of leaves	5	6
	Shackle (comp. or tens.)	Compression		
Stabilizer	Type (link, linkless, frameless)	None		
	Material	--		
Track bar type		None		

(a) Available only as part of heavy-duty suspension or trailer-towing package.

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Page 23

MAKE OF CAR DODGE DART MODEL YEAR 1970 DATE ISSUED 8-4-69 REVISED (*)

MODEL _____

All Models

CONVENIENCE EQUIPMENT

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

Power windows	Side windows	NA
	Vent windows	NA
	Backlight or tailgate	--
Power seats (specify type as well as availability)		NA
Reclining front seat back (R-L or both)		NA
Front seat head restrainer (R-L or both)		Std
Radios (specify type as well as availability)		Opt: AM
Rear seat speaker		Opt: dealer-installed
Power antenna		NA
Clock		NA
Air conditioner (specify type and availability)		Opt: Front unit with heater (NA - 198 CID)
Speed warning device		NA
Speed control device		NA
Ignition lock lamp		Opt
Dome lamp		Std
Glove compartment lamp		Opt
Luggage compartment lamp		Opt
Underhood lamp		Opt: dealer-installed
Courtesy lamp		Opt
Map lamp		See above
Auto. trans. quad. lamp		Std with automatic transmission
Cornering light lamp		NA
Shoulder belts		Std: front seat; Opt: rear seat
Tachometer		Opt: V-8 only
Trailing towing		Opt
Rear window defogger		Opt
Head lamp "ON" warning buzzer		Opt

LAMP HEIGHT AND SPACING

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

* If single headlamps are used enter here.

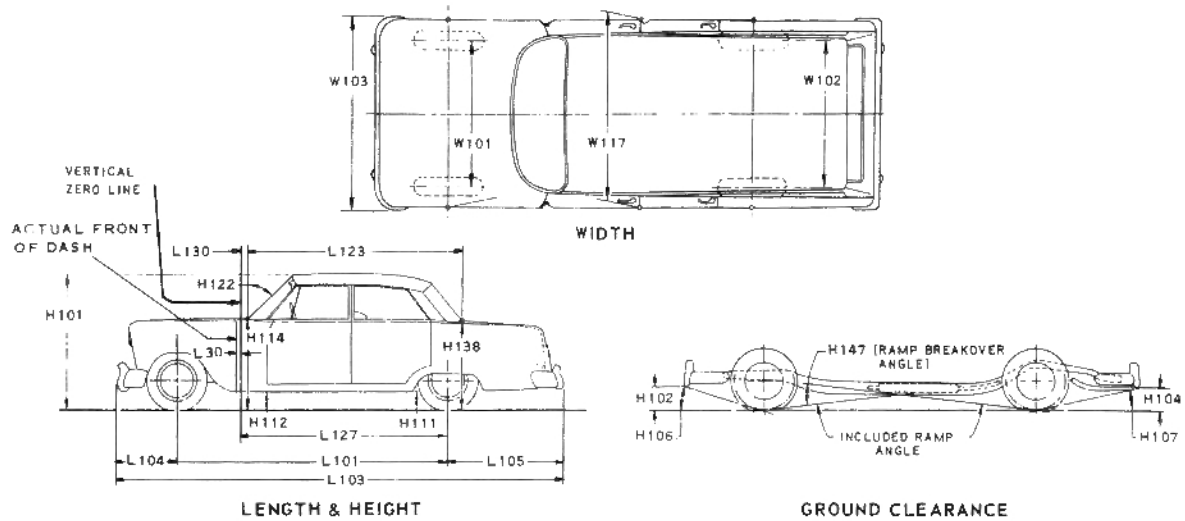
* Reference - SAE Aerospace-Automotive drawing standards, Section E 1.02 (d).

AMA Specifications—Passenger Car

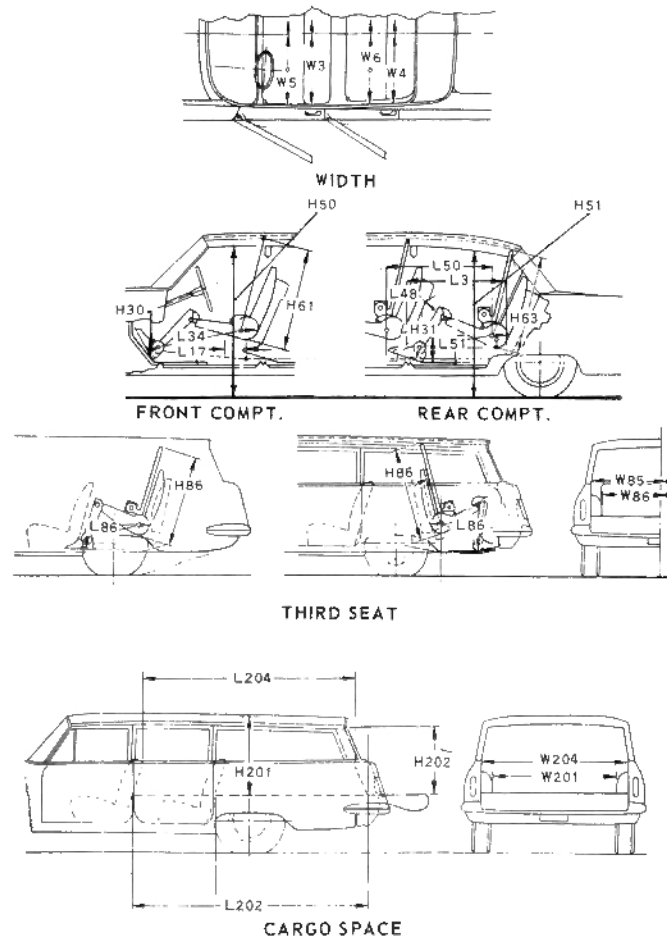
CAR AND BODY DIMENSIONS

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 wheelhauses 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 lift-gates 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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