

1971

AMA SPECIFICATIONS FORM

. . . Passenger Car

MANUFACTURER Dodge Division Chrysler Corporation	CAR NAME DODGE CHALLENGER	
MAILING ADDRESS Detroit, Michigan 48231	MODEL YEAR 1971	ISSUED 8-6-70 REVISED (●)

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NOTES:

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

UNLESS OTHERWISE INDICATED:

- Specifications apply to standard models without optional equipment. Significant deviations are noted.
- Nominal design dimensions are used throughout these specifications.

MAKE OF CAR DODGE CHALLENGER MODEL YEAR 1971 DATE ISSUED 8-6-70 REVISED (e)

BODY MODEL	Body type, number of passengers, and style names; use manufacturer's code for series & body style.
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		2-Door Coupe 21	2-Door Hardtop 23	2-Door Conv. 27
Number of Passengers*		5		
Challenger Coupe	Six	JL21**		
	V-8			
Challenger	Six		JH23	JH27
	V-8			
Challenger T/A	V-8		JH23	
Challenger R/T			JS23	

* With bucket seats reduce number of passengers by one.
 ** JL21 is a JH23 with Coupe Sales Package

MAKE OF CAR DODGE CHALLENGER MODEL YEAR 1971 DATE ISSUED 8-6-70 REVISED (*)

CAR AND BODY DIMENSIONS

See Pages 27, 28 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		R/T	T/A
		Six	V-8	Six	V-8	Six	V-8		
WIDTH									
Track - Front	W101	59.7						60.2	60.7
Track - Rear	W102	61.6 (a)						60.7	61.2
Maximum overall car width	W103	76.1							
Body width at No. 2 pillar	W117	76.1				74.3		76.1	

LENGTH

Body "O" to front of dash	L 30	0.7							
Wheelbase	L101	110							
Overall car length	L103	191.3							
Overhang - front	L104	38.5							
Overhang - rear	L105	42.8							
Body upper structure length	L123	92.0							
Body "O" line to $\frac{C}{E}$ of rear wheel	L127	93.5							
Body "O" line to w s cowl point	L130	9.4							

HEIGHT

Passenger Distribution (front & rear)		2-Front, 2-Rear							
Trunk/Cargo load (lbs.)		None							
Overall height	H101	50.6	50.9	50.8	50.9	50.8	50.9	51.2	51.7
Cowl height	H114	36.6	36.7	36.8	36.7	36.8	36.7	37.0	37.1
Deck height	H138	37.2	37.6	37.4	37.6	36.3	36.5	38.1	39.0
Rocker panel - front	To ground	7.4						7.9	8.1
	From front wheel $\frac{C}{E}$	31.5							
Rocker panel - rear	To ground	6.5	6.9	6.7	6.9	6.7	6.9	7.2	8.0
	From rear wheel $\frac{C}{E}$	18.5							
Windshield slope angle	H122	55°28'							

GROUND CLEARANCE

Bumper to ground - front	H102	19.0		19.2	19.0	19.2	19.0	19.2	18.7
Bumper to ground - rear	H104	16.6	17.1	16.8	17.1	16.8	17.1	17.5	18.9
Angle of approach deg	H106	21.8		22.1	21.8	22.1	21.8	22.3	21.4
Angle of departure deg	H107	18.0	18.9	18.4	18.9	18.4	18.9	19.6	21.8
Ramp breakover angle deg	H147	10.5				10.9		11.5	12.1
Min. running clearance (Specify)	H156	4.9 (Exhaust system to ground)							

(a) 318 CID with manual transmission: 60.7

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CAR AND BODY DIMENSIONS

See Pages 27, 28 for SAE Dimension Definitions
(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	21		23		27	
		6-Cyl	V-8	6-Cyl	V-8	6-Cyl	V-8

FRONT COMPARTMENT

Effective head room	H61	37.8				38.1	
Max. eff. leg room — accelerator	L34			42.3			
H Point to Heel point	H30			7.3			
H Point travel	L17			5.6			
Shoulder room	W 3			58.1			
Hip room	W 5			56.9			
Upper body opening to ground	H50	46.2				46.9	

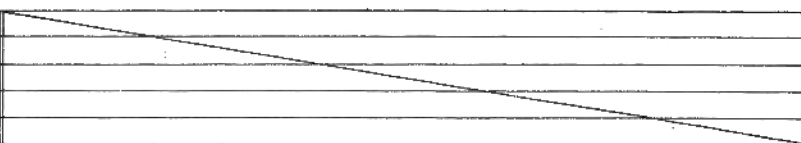
REAR COMPARTMENT

H Point couple distance	L50			29.2			
Effective head room	H63	35.6				35.9	
Min. effective leg room	L51	30.9				28.9	
H Point to Heel point	H31			9.7			
Min. knee room	L48	1.0				0.7	
Rear Compartment room	L 3	22.1				19.6	
Shoulder room	W 4	56.8				53.7	
Hip room	W 6	54.9				50.2	
Upper body opening to ground	H51			--			

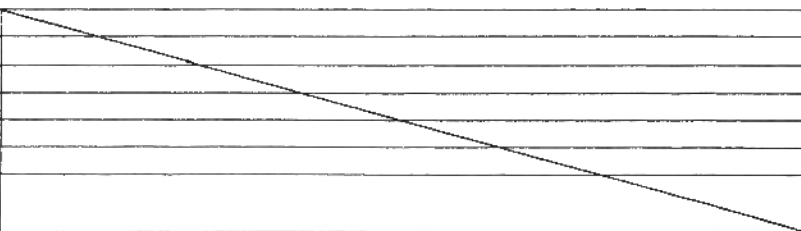
LUGGAGE COMPARTMENT

Usable luggage capacity	V 1	8.6 cu. ft.					
Liftover height	H195	30.5	31.0	30.7	31.0 (a)	30.7	31.0
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.) W4 x L204 x H201 1728	V2						

(a) T/A: 32.7

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POWER TEAMS

(Indicate whether standard or optional)

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

MODEL AVAILABILITY		ENGINE					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio) (a)	
		Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM			
6-Cyl	Std L	198	1,1-V	8.4	125 @ 4400	180 @ 2000	Manual 3-Speed	3.23*	
							Automatic	2.76*, 3.23*	
	Std H	225				145 @ 4000	215 @ 2400	Manual 3-Speed	3.23*
	Opt L						Automatic	2.76*, 3.23*	
V-8	Std L,H	318	1,2-V	8.6	230 @ 4400	320 @ 2000	Manual 3-Speed	3.23, 2.76*	
							Automatic	2.76*, 3.23	
	Opt H,S	340	1,4-V	10.2	275 @ 5000	340 @ 3200	Manual 3,4-Speed	3.23, 3.55**, 3.91**	
							Automatic	3.23, 2.76*, 3.55**, 3.91**	
	Std T/A		3,2-V		290 @ 5000	340 @ 3200	Manual 4-Speed	3.55**, 3.91**	
							Automatic	3.55**, 3.91**	
	Opt L,H	383	1,2-V	8.5	275 @ 4400	375 @ 2800	Automatic	2.76*, 3.23	
	Opt L,H		1,4-V		300 @ 4800	410 @ 3400	Manual 3,4-Speed	3.23, 3.55**, 3.91**	
							Automatic	2.76*, 3.23, 3.55**, 3.91**	
	Std S		1,4-V		300 @ 4800	410 @ 3400	Manual 3,4-Speed	3.23, 3.55**, 3.91**	
							Automatic	3.23, 2.76*, 3.55**, 3.91**	
	Opt S	426	2,4-V	10.2	425 @ 5000	490 @ 4000	Manual 4-Speed	3.54**, 4.10**	
							Automatic	3.23, 3.55**, 4.10**	
		440	3,2-V	10.3	385 @ 4700	490 @ 3200	Manual 4-Speed	3.54**, 4.10**	
							Automatic	3.23, 3.55**, 4.10**	

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

* SURE-GRIP NA

** SURE-GRIP only

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	198 CID	225 CID	318 CID	340 CID
MODEL				1,4-V 3,2-V

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)		3.93(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)		See Page 4			
Cylinder Head Combustion Chamber Volume (cc)		58.5		66.3	71.2
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	27.7		48.9	52.2
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.	0.020 min. 0.022 min.
	Skirt Top	0.0005 to 0.0015		
	Bottom	-0.0005 to 0.0015		
Ring groove diameter	No. 1 ring	3.014	3.476	3.597
	No. 2 ring	3.014	3.476	3.597
	No. 3 ring	3.010	3.503	3.909
	No. 4 ring	--		

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MAKE OF CAR DODGE CHALLENGER MODEL YEAR 1971 DATE ISSUED 8-6-70 REVISED (*)

	383 CID	426 CID	440 CID
MODEL	1, 2-V	1, 4-V	3, 2-V

ENGINE — GENERAL

Type, no. cyls., valve arr.	90° V-8 OHV		
Bore and stroke (nominal)	4.25 x 3.38	4.25 x 3.75	4.32 x 3.75
Piston displacement, cu. in.	383	426	440
Bore spacing (C to C)	4.8		
No. system	1-3-5-7		
(front to rear)	2-4-6-8		
Firing order	1-8-4-3-6-5-7-2		
Compress. ratio (nominal)	See Page 4		
Cylinder Head Combustion Chamber Volume (cc)	85.7	173.2	85.7
Cylinder Head Material	Cast Iron		
Cylinder Block Material	Cast Iron		
Cyl. Sleeve-Wet, dry, none	None		
Number of	Two		
mtg. points	One		
Engine installation angle	Lateral: 0°6' inclined rear to front: 2°30' to 3°		
Taxable	57.8		
Dia ² xNo. Cyl.	59.7		
horsepower	2.5		
Recommended fuel	Regular		
regular — premium	Premium		

ENGINE — PISTONS

Material	Aluminum alloy		
Description and finish	Closed slipper-type,	Forged, elliptically turned, tin plated	(a)
Weight (piston only) oz.	27.2	20.7	30.2
Clearance	0.022 min.		
(limits)	Top land	0.00025 to 0.00125	0.00025 to 0.00125
	Skirt	(b)	-0.00125 to 0.00075
	Bottom	0.0015 to 0.0035	0.0015 to 0.0035
Ring groove diameter	No. 1 ring	3.786	3.841
	No. 2 ring	3.786	3.841
	No. 3 ring	3.829	3.909
	No. 4 ring	--	--

(a) Closed slipper-type, steel strut, elliptically turned, tin-plated.

(b) -0.00125 to 0.00125 for 383-2V

-0.00075 to 0.00125 for 383-4V

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MAKE OF CAR	DODGE CHALLENGER	MODEL YEAR	1971	DATE ISSUED	8-6-70	REVISED (*)
MODEL		198 CID 225 CID	318 CID	340 CID	1,4-V	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	
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	None	Rod
	Material	--	Bronze on steel
Clearance	In piston	0.00045 to 0.00075	0.0000 to 0.0005
	In rod	0.00045 to 0.0014 (b)	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
	Overall length	0.985	0.843
	Clearance (limits)	0.0005 to 0.0025	
	End play	0.006 to 0.012	0.006 to 0.014 (2 rods)

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

(b) Interference

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MAKE OF CAR DODGE CHALLENGER MODEL YEAR 1971 DATE ISSUED 8-6-70 REVISED (a)

	383 CID	426 CID	440 CID
MODEL	1,2-V	1,4-V	Hemi 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	
Compression	Description - #1	Cast iron, twist and radius faced, tin-plated	Cast iron, twist and barrel-lap faced, moly-filled
	etc. #2	(a)	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	
	material, coating, etc.	(b)	
	Width	0.188	
	Gap	Not Applicable	
Expanders		See above	

ENGINE - PISTON PINS

Material		Carbon steel - carburizing grade		
Length		3.565	3.400	3.385
Diameter		1.0936	1.0311	1.0936
Type	Locked in rod, in piston, floating, etc.	Press-fit in rod	Floating	Press-fit in rod
	Bush- In rod or piston	None	Rod	None
	ing Material	--	Bronze on steel	--
Clearance	In piston	0.00045 to 0.00075	0.0001 to 0.0006	0.00045 to 0.00075
	In rod	(c)	0.0002 to 0.0007	(c)
Direction & amount offset in piston		Right 0.09		

ENGINE - CONNECTING RODS

Material		Drop-forged steel					
Weight (oz.)		28.6		38.2		29.8	
Length (center to center)		6.358		6.861		6.768	
Bearing	Material & Type	Babbitt		Tri-metal			
	Overall length	0.927					
	Clearance (limits)	0.0005 to 0.0025	0.0007 to 0.0032	0.0007 to 0.0035	0.010 to 0.0032		
	End play	0.009 to 0.017 (2 rods)					

(a) Cast iron, reverse twist and taper, lubrite coated

(b) 3-Piece stainless steel spacer-expander with chrome-plated segments

(c) 0.0007 to 0.0014 interference

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MODEL	198 CID 225 CID	318 CID	340 CID	1,4-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 (b)	
	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	
	No. bolts/main brg. cap	Two	
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 Double Roller Chain
	Crankshaft gear or sprocket material	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

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

(b) 0.0005 to 0.0025 specified; 0.0005 to 0.0015 desired

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MODEL	383 CID		426 CID		440 CID		
	1,2-V	1,4-V	Hemi		3,2-V		

ENGINE – CRANKSHAFT

Material		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)	(b)
	Clearance	(c)		0.0015 to 0.0025	(c)
	Journal dia. and bearing overall length	No. 1	2.625 x 0.944	2.75 x 0.944	
		No. 2	2.625 x 0.944	2.75 x 0.944	
		No. 3	2.625 x 1.223	2.75 x 1.223	
		No. 4	2.625 x 0.944	2.75 x 0.944	
		No. 5	2.625 x 0.944	2.75 x 0.944	
		No. 6	--		
		No. 7	--		
	Dir. & amt. cyl. offset	None			
No. bolts/main brg. cap	Two	Four	Two		
Crankpin journal diameter		2.38			

ENGINE – CAMSHAFT

Location		Center of "V" above crankshaft				
Material		Hardenable cast iron, oil pump and distributor drive gear cast integrally				
Bearings	Material	Lead-base babbitt on steel	Babbitt	(d)		
	Number	Five				
Type of Drive	Gear or chain	Chain	Double-roller chain			
	Crankshaft gear or sprocket material	Sintered iron (Super Oilite)	Steel			
	Camshaft gear or sprocket material	Nylon-coated aluminum	Cast iron			
	Timing chain	No. of links	50	66		
		Width	0.75	0.86		
		Pitch	0.50	0.375		

- (a) Tri-metal: steel back, copper-lead, intermediate layer of high-lead overplate.
 (b) All main bearings on steel.
 (c) 0.0005 to 0.0025 specified; 0.0005 to 0.0015 desired.
 (d) Lead-base babbitt on steel.

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MODEL		198 CID		318 CID		340 CID		
		225 CID				1,4-V	3,2-V	
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				
Timing (based on top of ramp points)	Intake	Opens (-BTC)	16	10	22			
		Closes (-ABC)	48	50	66			
		Duration - deg.	244	240	268			
	Exhaust	Opens (BBC)	54	52	74			
		Closes (-ATC)	10	16	22			
		Duration - deg.	244	248	276			
Valve opening overlap		26		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 45.0; Face: 45.0 to 45.5						
Seat insert material		None						
Stem diameter		0.372 to 0.373		0.3715 to 0.3725				
Stem to guide clearance		0.001 to 0.003		0.0015 to 0.0035				
Intake	Lift (- zero lash)		0.406		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		21-2		21-4N			
Overall length		4.80		5.00		1.60		
Actual overall head dia.		1.36		1.50		1.60		
Angle of seat & face deg		Seat: 44.5 to 45.0; Face: 47.0 to 47.5						
Seat insert material		None						
Stem diameter		0.371 to 0.372		0.3705 to 0.3715				
Stem to guide clearance		0.002 to 0.004		0.0025 to 0.0045				
Exhaust	Lift (- zero lash)		0.414		0.400		0.445	
	Outer spring press. & length	Valve closed (lb. in.)	65 @ 1.65		92 @ 1.65		96 @ 1.65	
		Valve open (lb. in.)	156 @ 1.26		189 @ 1.25		244 @ 1.20	242 @ 1.21
	Inner spring press. & length	Valve closed (lb. in.)	None		Surge damper			
		Valve open (lb. in.)	None		Surge damper			

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MAKE OF CAR		DODGE CHALLENGER		MODEL YEAR	1971	DATE ISSUED	8-6-70	REVISED (a)
MODEL		383 CID		426 CID		440 CID		
		1,2-V	1,4-V	Hemi	3,2-V			
ENGINE - VALVE SYSTEM								
Hydraulic lifters (Std., opt., 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	Hydraulic						
	Exhaust	Hydraulic						
Timing (based on top of ramp points)	Intake	Opens (BTC)	18	21	36	21		
		Closes (ABC)	62	67	68	67		
		Duration - deg.	260	268	284	268		
	Exhaust	Opens (BBC)	68	79	80	79		
		Closes (ATC)	20	25	24	25		
		Duration - deg.	268	284				
	Valve opening overlap		38	46	60	46		
	Material		SAE 1041		Silchrome XB	SAE 1041		
	Overall length		4.86		5.41	4.86		
	Actual overall head dia.		2.08		2.25	2.08		
Angle of seat & face deg		Seat: 44.5 to 45.0; Face: 45.0 to 45.5						
Seat insert material		None						
Intake	Stem diameter		0.3723 to 0.3730	0.3718 to 0.3725	0.3085 to 0.3095	0.3718 to 0.3725		
	Stem to guide clearance		0.0010 to 0.0027	0.0015 to 0.0032	0.002 to 0.004	0.0015 to 0.0032		
	Lift (zero lash)		0.425	0.450	0.490	0.450		
	Outer spring press. & length	Valve closed (lb. in.)	125 @ 1.86	105 @ 1.86	115 @ 1.86			
		Valve open (lb. in.)	200 @ 1.42	234 @ 1.40	310 @ 1.37			
	Inner spring press. & length	Valve closed (lb. in.)	None	Surge damper				
		Valve open (lb. in.)	None	Surge damper				
	Material		21-2		21-4N (a)	21-2		
	Overall length		4.89		4.86	4.89		
	Actual overall head dia.		1.74		1.94	1.74		
Angle of seat & face deg		Seat: 44.5 to 45.0; Face: 45.0 to 45.5						
Seat insert material		None						
Exhaust	Stem diameter		(b)	(c)	0.3075 to 0.3085	(c)		
	Stem to guide clearance		(d)	(e)	0.0030 to 0.0050	(e)		
	Lift (zero lash)		0.437	0.465	0.480	0.465		
	Outer spring press. & length	Valve closed (lb. in.)	125 @ 1.86	105 @ 1.86	115 @ 1.86			
		Valve open (lb. in.)	200 @ 1.42	234 @ 1.40	310 @ 1.37			
	Inner spring press. & length	Valve closed (lb. in.)	None	Surge damper				
		Valve open (lb. in.)	None	Surge damper				

(a) Stellite-faced

(b) Hot end: 0.3713 to 0.3720; Cold end: 0.3723 to 0.3730

(c) Hot end: 0.3708 to 0.3715; Cold end: 0.3718 to 0.3725

(d) Hot end: 0.0020 to 0.0037; Cold end: 0.0010 to 0.0027

(e) Hot end: 0.0025 to 0.0042; Cold end: 0.0015 to 0.0032

AMA Specifications Form—Passenger Car

MAKE OF CAR	DODGE CHALLENGER		MODEL YEAR	1971	DATE ISSUED	8-6-70	REVISED (a)
MODEL	198 CID 225 CID	318 CID	340 CID	383 CID	426 CID Hemi	440 CID 3, 2-V	

ENGINE – LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Metered jet spray
	Camshaft bearings	Pressure
	Tappets	Six-cylinder: splash; V-8: pressure
	Timing gear or chain	Jet
	Cylinder walls	Metered jet spray
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 oil case, less filter-refill (qt.)	4	6
Oil grade recommended (SAE viscosity and temperature range)	Consistently above +32°F. SAE 10W-30, SAE 20W-40, SAE 10W-40, SAE 20W-50, SAE 30 Occasionally as low as -10°F. SAE 10W-30, SAE 10W-40 Range between +32°F and -10°F. SAE 10W, SAE 10W-30, SAE 10W-40 Consistently below +10°F. SAE 5W-20, SAE 5W-30	
Engine Service Reqmt.	MS or SD	

ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single W/ Crossover	Dual (a)	
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse		2-reverse, 2-resonator	
Exhaust pipe dia. (O.D., wall thick.)	Branch	1.75x0.067	(b)	--
	Main	1.88x0.067	2.00x0.067	2.25 x 0.075
Tail pipe dia. (O.D. & wall thickness)	1.88x0.053	2.00x0.053	2.25 x 0.053	

(a) 383 CID, 1,2-V: Single with crossover and one resonator

(b) 383 CID, 1,2-V: 1.88 x 0.075

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MAKE OF CAR DODGE CHALLENGER MODEL YEAR 1971 DATE ISSUED 8-6-70 REVISED (•) _____

MODEL	198 CID	225 CID	318 CID	340 CID	
				1,4-V	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.)	18					
Fuel Tank	Filler location	Outside right rear fender					
Fuel Pump	Type (elec. or mech.)	Mechanical					
Fuel Pump	Locations	Right center			Right front		
Fuel Pump	Pressure range	3.5 to 5			5 to 7		
Vacuum booster (std., optional, none)		None					
Fuel Filter	Type	Fuel tank: plastic; Fuel line: paper					
Fuel Filter	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				
Carburetor		Optional	--				
	Idle speed (spec. neutral or drive)	Manual	800	750		900	1000
		Automatic	800	750	700	900	950
		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	Model		
Six	198	Manual	Carter	BBS-4955S	1,1-V	1.56
		Automatic		BBS-4956S		
	225	Manual	Holley	R-4655A		
		Automatic		R-4656A		
V-8	318	Manual	Carter	BBD-4957S	1,2-V	1.44
		Automatic		BBD-4958S		
			Rochester	7041180		
	340	Manual	Carter	TQ-4972S	1,4-V	P: 1.38 S: 2.25
		Automatic		TQ-4973S		
			Holley	Front	3,2-V	1.75
		Manual		R-4789A		
		Automatic				
				Rear		
		Manual		R-4790A		
		Automatic				
				Center		
		Manual		R-4791A		
		Automatic		R-4792A		
		1.50				

(a) Front, rear: none; automatic on center carburetor

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MAKE OF CAR DODGE CHALLENGER MODEL YEAR 1971 DATE ISSUED 8-6-70 REVISED (•)

	383 CID	426 CID	440 CID
MODEL	1, 2-V	Hemi	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.)	18	
	Filler location	Outside right rear fender	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Right front	
	Pressure range	3.5 to 5	7.0 to 8.5
Vacuum booster (std., optional, none)	None		
Fuel Filter	Type	Fuel tank: plastic; Fuel line: paper	
	Locations	One in fuel tank, one in supply line	
	Choke type	Automatic separate	(a) (b)
	Intake manifold heat control (exhaust or water)	Exhaust	
Carburetor	Air cleaner type	Standard	Paper element
		Optional	--
	Idle speed (spec. neutral or drive)	Manual 750	900
		Automatic 700	900
	Neutral	14.0 to 14.5 (c)	

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
V-8	383	Manual	Carter	BBD-4961S	1, 2-V	1.56
		Automatic		BBD-4962S		
		Manual	Holley	R-4667A	1, 4-V	
		Automatic		R-4668A		
	426		Carter	Front	2, 4-V	P: 1.44 S: 1.69
		Manual		AFB-4971S		
		Automatic				
				Rear		
		Manual		AFB-4969S		
		Automatic		AFB-4970S		
	440		Holley	Front	3, 2-V	1.75
		All		R-4671A		
				Rear		
		All		R-4672A		1.50
				Center		
		Manual		R-4669A		
		Automatic		R-4670A		

(a) Automatic, rear carburetor only

(b) Automatic on center carburetor only

(c) 426 Hemi: 13.7 to 14.1

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MAKE OF CAR	DODGE CHALLENGER		MODEL YEAR	1971	DATE ISSUED	8-6-70	REVISED (a)
MODEL	198 CID	225 CID	318 CID	340 CID	383 CID	426 CID Hemi	440 CID 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)	185°					
	Type (centrifugal, other)	Centrifugal					
Water pump	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	15	14.5	15.5	15.5 (a)
	Without heater (qt.)	12	15	14	13.5	14.5	14.5 (b)
	Opt. equipment-specify (qt.) A/C --	13	16.5	15	--	--	17
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			
		Inside diameter	0.68	0.80		--	
Fan	Number of blades & spacing	4	4	7			
	Diameter	17	18	18.5	18	18.5 (c)	
	Ratio-fan to crankshaft rev.	1.07:1	0.95:1		1.20:1 0.95:1		
	Fan cutout type	Solid				Torque	
	Bearing type	Ball, integral shaft, permanently sealed					
* Drive belts (indicate belt used by letter)	Fan	A	D		G	J	G
	Generator or alternator	A	D		G	J	G
	Water Pump	A	D		G	J	G
	Power Steering	B	E		H	K	H
	Air Conditioning	--	C	F		I	--

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	36	36	36	36	36	36	36	36	36	36	36
Nominal length (SAE)	57.0	40.0	53.0	47.5	38.0	54.26	46.5	42.5	60.0	45.0	39.38
Width	0.38	0.38	0.50	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.50

(a) With manual transmission: 17
(b) With manual transmission: 16

(c) Automatic Transmission: 18

AMA Specifications Form—Passenger Car

MAKE OF CAR DODGE CHALLENGER MODEL YEAR 1971 DATE ISSUED 8-6-70 REVISED (a)

MODEL _____

All Engines

VEHICLE EMISSION CONTROL

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)		"
Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Induction system
	Standard		--
	Optional		
	Control Unit	Make and model	3577098
		Location	Cylinder head cover outlet
		Energy source (manifold vacuum, carburetor, other)	Manifold vacuum
		Control method (variable orifice, fixed orifice, other)	Variable orifice
	Complete system	Discharges (to intake manifold, other)	Intake manifold at or below base of carburetor
		Air inlet (breather cap, other)	(a)
		Flame arrestor (screen, other)	Check valve
Evaporative Emission Control	Fuel Tank	Refill Capacity (U.S. gallons)	18
		Thermal expansion volume	1.4 gallon
		Pressure relief location (lbs.)	Filler cap: 0.5 to 1 psi
		Vacuum relief location (lbs.)	Filler cap: 7 to 14 inches of water
		Vapor-liquid separator type	2" diameter vapor separator extending from floor pan level to rear deck
		Vapor vented to (crankcase, canister, other)	Crankcase
	Carbu- retor	Vapor vented to (crankcase, canister, other)	Crankcase
	Vapor Storage	Storage provision (crankcase, canister, other)	Crankcase
		Volume (cu. ft.) or capacity (grams)	198,225,318 CID: 1.5; 340,383 CID: 1.6; 426,440 CID: 1.7
		Control valve type	Crankcase PCV valve

(a) Tube from carburetor air cleaner housing to crankcase air filter

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MAKE OF CAR	DODGE CHALLENGER		MODEL YEAR	1971	DATE ISSUED	8-6-70	REVISED (•)
MODEL	198 CID 225 CID	318 CID	340 CID	383 CID	426 CID Hemi	440 CID 3, 2-V	

ELECTRICAL – SUPPLY SYSTEM

Battery	Make and Model		2875951	2444562	2642969
	Voltage Rtg. & Total Plates		12, 54	12, 56	12, 78
	SAE Designation & Amp. Hr. Rtg.		46 amp-hr	59 amp-hr	70 amp-hr
	Location		Left front fender shield		
	Terminal grounded		Negative		
Alternator	Make		Chrysler		
	Model		3438172	3438176	3438172
	Type and rating		37 amp		
	Output at engine idle (neutral)		--		
	Ratio—Gen. to Cr/s rev.		2.70:1	2.55:1	2.12:1
Regulator	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°F 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		(a)			
Motor Drive	Engagement type		Solenoid			
	Pinion meshes (front, rear)		Front			
	Number of teeth	Pinion	10			
		Flywheel	Manual	122	130	172
		Auto.	122	130		
	Flywheel tooth face width	Manual	0.340			
Auto.		0.340				

- (a) 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.

AMA Specifications Form—Passenger Car

MAKE OF CAR DODGE CHALLENGER MODEL YEAR 1971 DATE ISSUED 8-6-70 REVISED (a)

MODEL 198 CID 225 CID 318 CID 340 CID

ELECTRICAL - IGNITION SYSTEM - DISTRIBUTOR

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		17 to 20 oz (b)			
Distributor	Manual	3438509	2875822	3438255	3438522
		3438524	3438440	3438453	
	Automatic	3438509	2875826	3438225	3438517
		3438524	3438442	3438453	
Timing (c)	Manual	2-1/2° BTC	TDC	TDC	5° BTC
			2-1/2° BTC		
	Automatic	2-1/2° BTC	TDC	TDC	5° BTC
			2-1/2° BTC		

(a) 340 CID manual transmission: One set of points 27 to 32; both sets 37 to 42

(b) 340 CID manual transmission: 17 to 21.5 oz

(c) Transmission in neutral, crankshaft degrees @ engine idle rpm (See page 10)
Distributor solenoid disengaged.

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. In. of Mercury	
	Start	Intermediate	Max.	Start	Max.
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
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
3438255	2 to 6 @ 1100	17 to 21 @ 1600	28 to 32 @ 4200	2 to 8 @ 10.5	16.5 to 21.5 @ 15
3438509	2 to 13 @ 1100	16 to 20 @ 1500	24 to 28 @ 4000	1 to 6 @ 7	12 to 17 @ 11
3438517	1 to 8 @ 1200	19 to 24 @ 2000	20 to 24 @ 4200	1 to 7 @ 9	14 to 20 @ 12.5
3438522	1 to 8 @ 1300	11 to 17 @ 1700	20 to 24 @ 4000	1 to 7 @ 7	14 to 20 @ 11

California Only

3438440	1 to 7 @ 1600	16 to 21 @ 2400	24 to 28 @ 4400	1 to 7 @ 10	10.5 to 15.25 @ 15
3438442	1 to 7 @ 1600	16 to 21 @ 2400	24 to 28 @ 4400	1 to 7 @ 7	10.5 to 15.25 @ 10
3438453	0 to 8 @ 1200	16 to 21 @ 2000	28 to 32 @ 4200	2 to 8 @ 9.5	16 to 21 @ 15
3438524	4 to 12 @ 1400	17 to 21 @ 1800	24 to 28 @ 4000	1 to 7 @ 7	10.5 to 15.25 @ 10

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MAKE OF CAR DODGE CHALLENGER MODEL YEAR 1971 DATE ISSUED 8-6-70 REVISED (•) _____

MODEL	340 CID 3, 2-V	383 CID		426 CID Hemi	440 CID 3, 2-V
		2-V	4-V		

ELECTRICAL - IGNITION SYSTEM - DISTRIBUTOR

Breaker gap (in.)		0.014 to 0.019	0.016 to 0.021		0.014 to 0.019	
Cam angle (deg.)		30 to 34 (a)	28.5 to 32.5		27° to 32°	27° to 32° (c)
Breaker arm tension (oz)		17 to 21.5 (b)	17 to 20		17 to 21.5	
Distributor	Manual	3438615	3438534 3438544	3438690	2875987	3438577
	Automatic	3438617	3438534 3438544		3438579	
Timing (d)	Manual	TDC	TDC			5° BTC
	Automatic		2.5° BTC			

(a) Manual transmission: one set of points 27° to 32°; both sets 37° to 42°

(b) Automatic transmission: 17 to 20 oz

(c) Both sets: 37°-42°

(d) Transmission in neutral crankshaft degrees @ engine idle rpm (See page 10)
Distributor solenoid disengaged.

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. In. of Mercury	
	Start	Intermediate	Max.	Start	Max.
2875987	0 to 9 @ 1300	24.4 to 28.4 @ 2100	28 to 16 @ 2800	0 to 7 @ 9	13.4 to 18.4 @ 13.5
3438534	2 to 9 @ 1200	10 to 14 @ 1600	24 to 28 @ 4000	2 to 7 @ 9	16 to 20 @ 15
3438577	2 to 6 @ 1400	9 to 13 @ 1900	9 to 13 @ 4400	2 to 8 @ 10.5	15 to 20 @ 15
3438579	0 to 8 @ 1200	19 to 25 @ 2500	26 to 30 @ 3200	0 to 7 @ 9	13.4 to 18.4 @ 13.5
3438615	1 to 8 @ 1400	18 to 22 @ 2200	26 to 30 @ 4400	1 to 7 @ 7	14 to 20 @ 11
3438617	1 to 8 @ 1400	18 to 22 @ 2200	26 to 30 @ 4400	1 to 7 @ 9	14 to 20 @ 12.5
3438690	1 to 7 @ 1300	12 to 16 @ 1800	24 to 28 @ 4800	2 to 8 @ 10.5	16 to 20 @ 15

California Only

3438544	1 to 7 @ 1400	10 to 15 @ 1800	24 to 28 @ 4000	2 to 8 @ 10.5	15 to 20 @ 15

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MAKE OF CAR	DODGE CHALLENGER	MODEL YEAR	1971	DATE ISSUED	8-6-70	REVISED (*)	
MODEL	198 CID, 225 CID, 318 CID	340 CID	383 CID	426 CID Hemi	440 CID 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	3.0					
	Engine idling	1.9					
Spark Plug	Make	P-6-6P	--	P-3-6P	P-3-4P	--	P-3-4P
	Model	N-14Y	N-9Y	J-14Y	J-11Y	N-10Y	J-11Y
	Thread (mm)	14 mm					
	Tightening torque (lb. ft.)	30 to 32					
	Gap	0.035					
Cable	Conductor type	Resistor					
	Insulation type	Synthetic rubber with Hypalon jacket (a)					
	Spark plug protector	Silicon (b)					

ELECTRICAL – SUPPRESSION

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

ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speed-ometer	Type	In-line drive pointer
	Trip odometer (std. opt., N.A.)	Standard with rallye cluster (c)
Charge indicator – type		Ammeter
Temperature indicator – type		Electric thermal
Oil pressure indicator – type		Lights (d)
Fuel indicator – type		Electric thermal (d)
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	Two (d)
	Amp draw (each)	4-6 Amp
Other	Brake system and parking brake warning light	

- (a) 198 and 225 CID: Synthetic rubber with Neoprene jacket
 (b) 198 and 225 CID: Hypalon jacket
 (c) Push-button reset
 (d) Electric thermal gage: Rallye cluster
 (e) Low fuel warning light optional
 (f) Coupe: One horn standard, two horns optional

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MAKE OF CAR DODGE CHALLENGER MODEL YEAR 1971 DATE ISSUED 8-6-70 REVISED (a)

MODEL	198 CID 225 CID	318 CID	340 CID	383 CID	426 CID Hemi; 440 CID 3,2-V
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DRIVE UNITS – CLUTCH (Manual Transmission)

Make & type		Auburn; Borg & Beck		Borg and Beck		
Type pressure plate springs		Coil				
Total spring load (lb.)		1375	1693	2181	2218	2563
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	11.0 x 7.0
	Total eff. area (sq.in.)	77	106.8		123.6	113.1
	Thickness	0.114	0.125		0.135	
	Engagement cushion- ing method	Two-piece Cushion	Flat-wave springs			
Release bearing	Type & method of lubrication	Ball bearing, permanetly lubricated				
Torsional damping	Methods: springs, friction material	Coil springs and friction washers				

DRIVE UNITS – TRANSMISSIONS

Manual 3-speed (std., opt. N.A.)	Std (a)	NA
Manual 4-speed (std., opt. N.A.)	NA	Opt (a)
Automatic (std., opt. N.A.)	Opt (b)	Std

DRIVE UNITS – MANUAL TRANS.

Number of forward speeds		3		4	
		198,225,318	340,383 4-V	340,383 4-V	426,440 3,2-V
Transmission ratios	In first	3.08	2.55	2.47	2.44
	In second	1.70	1.48	1.77	
	In third	1.00		1.34	
	In fourth	--		1.00	
	In reverse	2.90	3.34	2.40	2.36
Synchronous meshing, specify gears		1,2,3		1,2,3,4	
Shift lever location		Floor or console			
Lubricant	Capacity (pt.)	4.75		7.5	
	Type recommended	DEXRON automatic transmission fluid			
	SAE viscosity number	Summer	NA		
		Winter	NA		
		Extreme cold	NA		

(a) NA with 383 CID 1,2-V

(b) Std with 383 CID 1,2-V

AMA Specifications Form—Passenger Car

MAKE OF CAR DODGE CHALLENGER MODEL YEAR 1971 DATE ISSUED 8-7-70 REVISED ^(*)

MODEL	198	225	318	340	383 CID		426	440
	CID	CID	CID	CID	1, 2-V	1, 4-V	Hemi	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	82	83	85	73	84	73	83	73
Max. kickdown speed—drive range	74	75	78	67	77	67	76	67
Torque converter	Number of elements		Three					
	Max. ratio at stall		2.16:1		2.02:1	2.16:1		2.02:1
	Type of cooling (air, liquid)		Liquid					
	Nominal diameter		10.75		11.75	10.75		11.75
Lubricant	Capacity—refill (pt.)		17.0	16.3	19.0	16.3	16.8	19.0
	Type recommended		DEXRON automatic transmission fluid					
Special transmission features	Part-throttle kickdown (3-2)						--	

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.	3.25 x 48 x 0.065	3.25 x 46 x 0.065	--	3.25 x 46 x 0.065	--
	Manual 4-speed trans.	--	3.25 x 46 x 0.065	--	3.25 x 46 x 0.065	3.25 x 45 x 0.065
	Overdrive transmission	NA				
	Automatic transmission	3.25 x 52 x 0.065	3.25 x 46 x 0.065	3.25 x 46 x 0.065		

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

(Continued)

(a) All lengths to nearest inch

AMA Specifications Form—Passenger Car

MAKE OF CAR	DODGE CHALLENGER		MODEL YEAR	1971	DATE ISSUED	8-7-70	REVISED (e)
MODEL	198 CID	318	340 CID	383 CID	426 CID	440 CID	
	225 CID	CID	All	All	Hemi	3, 2-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	29		
	Spline O.D.	1.156	1.325	
Universal joints	Make and Mfg. No.	Chrysler-7260 F & R	Chrysler-7290 F & R	
	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 O.D.	8-3/4
Limited Slip differential, type	Friction bias		
Drive Pinion Offset	1.625	1.50	1.125
No. of differential pinions	2 (All)	2 (All)	4
Pinion adjustment (shim, other)	Washer	Shim	
Pinion bearing adj. (shim, other)	Solid spacer	Collapsible spacer	Shim
Wheel bearing type	Ball	Tapered roller	
Lubricant	Capacity (pt.)	2	4-1/2
	Type recommended	MIL-L-2105B 2933565	
	SAE viscosity number	Summer	Above -10°F.....SAE 90
		Winter	Between -10°F and -30°F.....SAE 80
		Extreme cold	Below -30°F.....SAE 75

AXLE RATIO TOOTH COMBINATIONS

(See page 4 for axle ratio usage)

Axle ratio		2.76	3.23	3.54	3.55	3.91	4.10
No. of teeth	Pinion	17	13	13	11	11	11
	Ring gear	47	42	46	39	43	45
Ring Gear O.D.		7-1/4	8-3/4	7-1/4	8-3/4	8-3/4	9-3/4

AMA Specifications Form—Passenger Car

MAKE OF CAR DODGE CHALLENGER MODEL YEAR 1971 DATE ISSUED 8-7-70 REVISED (*)
 198, 225, 318 CID 383, 383 1,4-V 340 1,4-V
 L-21; H-23, 27 L-21; H-23, 27 L-21; H-23, 27 383 1,4-V S-23

MODEL

DRIVE UNITS – WHEELS

Type & material		Disc, steel	
Rim (size & flange type)	Std.	14 x 5.0 J	14 x 5.5 JJ
	Opt.	14 x 5.5 JJ, 14 x 6.0 JJ	14 x 6.0 JJ
		15 x 7.0 JJ	15 x 7.0 JJ
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, Load Range		7.35 x 14	F78 x 14 2B/2	F70 x 14 2B/2
	Type (bias, radial, etc.)		Bias	Bias with belt	
	Full rated Inflation Press.	Front	26	28	28
		Rear	30	32	32
	Rev./Mile at 45 mph		801	784	795
Optional	Size, Ply, Load Range		E78 x 14 2B/2 F78 x 14 2B/2	F70 x 14 2B/2	F78 x 14 2B/2
			F78 x 14 2B/2 F70 x 14 2B/2	E60 x 15 (a)	E60 x 15 (b)
			F70 x 14 2B/2 E60 x 15 2B/2	2B/2	2B/2
			E60 x 15 2B/2		

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) NA with air conditioner

(b) NA with 383 CID 1,4-V with air conditioner

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MAKE OF CAR DODGE CHALLENGER MODEL YEAR 1971 DATE ISSUED 8-10-70 REVISED (*)

MODEL	440 CID 440 3,2-V S-23	426 2,4-V S-23	340 3,2-V H-23
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DRIVE UNITS—WHEELS

Type & material		Disc, steel	
Rim (size & flange type)	Std.	14 x 6.0 JJ	15 x 7.0 JJ
	Opt.	15 x 7.0 JJ	--
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, Load Range		F70 x 14 2B/2	F60 x 15 2B/2	Front: E60 x 15 2B/2 Rear: G60 x 15 2B/2
	Type (bias, radial, etc.)		Bias with belt		
	Full rated Inflation Press.	Front	28	28	24
		Rear	32	28	28
	Rev./Mile at	45 mph	795	793	Front: 802; Rear: 780
Optional	Size, Ply, Load Range		E60 x 15 (a) 2B/2	--	

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) NA 440 CID with air conditioner or 440 3,2-V in convertible

AMA Specifications Form—Passenger Car

MAKE OF CAR	DODGE CHALLENGER	MODEL YEAR	1971	DATE ISSUED	8-10-70	REVISED (a)
		198, 225, 318, 383 CID 2-V & 4-V (Exc "S")	340 CID, 426 Hemi 383 CID "S" 440 CID	Disc	All Exc T/A	Trans-Am

MODEL

BRAKES - SERVICE

Type (drum) or (disc & no. of pistons)	Drum		Disc, 1	
Self adjusting (std., opt., N.A.)	Std			
Special Valving	Type (proportion, delay, metering, other)	--	Front: metering; Rear: proportioning	
Power brake make & type (remote, int., etc.)	Std.	--	Tandem	
	Opt.	Integral	--	
Effective area (sq. in.) *	195.2	234.1	138.1	146.9
Gross lining area (sq. in.) **	195.2	234.1	138.1	146.9
Swept area (sq. in.) ***	314.2	380.1	357.9	380.1
Front to Rear Effectiveness Relationship	Front 60; Rear 40			
Drum	Diameter (nominal)	Front 10 Rear 10	11 11	-- 10 11
	Type and material	Centrifuse or cast composite, cast iron		
Rotor	Outer working diameter	-- 10.72		
	Inner working diameter	-- 7.14		
	Working width	-- 1.79		
	Material & type (vented/solid)	-- Vented; cast iron		
Wheel cylinder bore	Front	1.187		2.750
	Rear	0.9375		
Master Cylinder	Bore	1.03 (a)		
	Stroke	1.00	1.145 (b)	
Pedal arc ratio	Manual: 6.70 Power: 3.18			
Line pressure at 100 lb. pedal load	800		1100	
Shoe Clearance	Front	No major adjustment required		
	Rear	No major adjustment required		
Anti-skid device type (std., opt., N.A.)	NA			
Brake lining	Bonded or riveted	Bonded		
	Material	Molded asbestos		
Front Wheel	Size (length x width x thickness)	Prim. or out-board	8.46 x 2.5 x 0.19	9.31 x 3.00 x 0.19
		Second. or in-board	11.06 x 2.5 x 0.24	11.97 x 3.00 x 0.24
	Segments per shoe	One		
Rear Wheel	Material	Molded asbestos		
	Size (length x width x thickness)	Prim. or out-board	8.46 x 2.5 x 0.19	9.31 x 2.5 x 0.19
		Second. or in-board	11.06 x 2.5 x 0.24	11.97 x 2.5 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) 426 CID: Disc 1.125
 (b) 426 CID: 1.135
 (c) Area x Thickness

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MAKE OF CAR DODGE CHALLENGER MODEL YEAR 1971 DATE ISSUED 8-10-70 REVISED (e)

MODEL	All Models Exc T/A		T/A	
			Std	Opt

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.)		42.89	
		Curb to curb (l. & r.)		39.89	
	Inside rear	Wall to wall (l. & r.)		23.57	
		Curb to curb (l. & r.)		24.01	
Manual	Gear	Type		Recirculating ball	
		Make		Chrysler	
		Ratios	Gear	24.0:1	16:1
			Overall	29.04:1	19.36:1
	No. wheel turns (stop to stop)		5.3		3.6
Power	Type (coaxial, linkage, etc.)		Integral		
	Make		Chrysler		
	Gear	Type	Recirculating ball		
		Ratios	Gear	15.7:1	
			Overall	19.0:1	14.2:1
	Pump driven by		Belt from crankshaft pulley		
	No. wheel turns (stop to stop)		3.5		2.6
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	Inner bearing		Drum & Disc 1.2494	
		Outer bearing		Drum & Disc 0.7494	
	Thread size		Drum & Disc 3/4-16 UNF-3A		
	Bearing type		Tapered roller		

AMA Specifications Form—Passenger Car

MAKE OF CAR	DODGE CHALLENGER	MODEL YEAR	1971	DATE ISSUED	8-10-70	REVISED (*)
MODEL	198, 225 318	383 2-V	340 1,4-V, 383 1,4-V	340 3,2-V 426 Hemi 440 3,2-V		

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.)	41 x 0.86	41 x 0.88	41 x 0.90
	Spring rate (lb. per in.)	NA		
	Rate at wheel (lb. per in.)	95	102	111
Stabilizer	Type (link, linkless, frameless)	Opt		Std
	Material & bar diameter	0.88 (a)		

SUSPENSION – REAR

Type and description			Parallel, longitudinal leaf		
Drive and torque taken through			Rear springs		
Spring	Type		Semielliptic asymmetrical		
	Material		Chromium alloy steel		
	Size (length x width, coil design height & I.D., bar length & dia.)		57 x 2.5		
	Spring rate (lb. per in.)		95	110	125
	Rate at wheel (lb. per in.)		115	132	150
	Mounting insulation type		Rubber		
	If leaf	No. of leaves	4-1/2		5-1/2
Stabilizer	Shackle (comp. or tens.)		Compression		
	Type (link, linkless, frameless)		None (b)		
	Material		--		
Track bar type			None		

(a) 340 3,2-V: 0.94

(b) 340, 383 4-V: Link

FRAME

Unit construction

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MAKE OF CAR DODGE CHALLENGER MODEL YEAR 1971 DATE ISSUED 8-10-70 REVISED (*)

MODEL

CONVENIENCE EQUIPMENT

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

Power windows	Side windows	Opt
	Vent windows	Opt
	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 or AM-FM Multiplex (AM or AM-FM available with stereo tape)
Rear seat speaker		Opt: except NA convertible
Power antenna		NA
Clock		Opt: Std R/T
Air conditioner (specify type and availability)		Opt: front unit with heater
Speed warning device		NA
Speed control device		NA
Ignition lock lamp		Opt
Dome lamp		Std: except NA convertible
Glove compartment lamp		Opt
Luggage compartment lamp		Opt
Underhood lamp		Opt: dealer installed
Courtesy lamp		Opt: Std convertible
Map lamp		--
Auto. trans. quad. lamp		Std with automatic transmission
Cornering light lamp		NA
Shoulder belts		Std: except Opt convertible
Trip odometer		Opt with rallye cluster (NA - 6-cyl)
Tachometer		Opt: Std R/T
Rear window defogger		Opt: except NA convertible
6-way manual seat adjust.		Opt: Bucket seats

LAMP HEIGHT AND SPACING

Height above ground to center of bulb or marker	Headlamp	Highest *	26.0
		Lowest	26.0
	Tail	Highest	26.0 (a)
		Lowest	26.0
	Sidemarker	Front	23.2
		Rear	22.7 (b)
Distance from C/L of car to center of bulb	Headlamp	Inside	23.58
		Outside *	30.27
	Tail	Inside	9.82
		Outside	27.18
	Directional	Front	24.78
		Rear	27.18

* If single headlamps are used enter here.

(a) R/T: 27.7

(b) R/T: 24.4

ESTIMATED VEHICLE WEIGHTS

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

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ESTIMATED OPTIONAL EQUIPMENT WEIGHTS

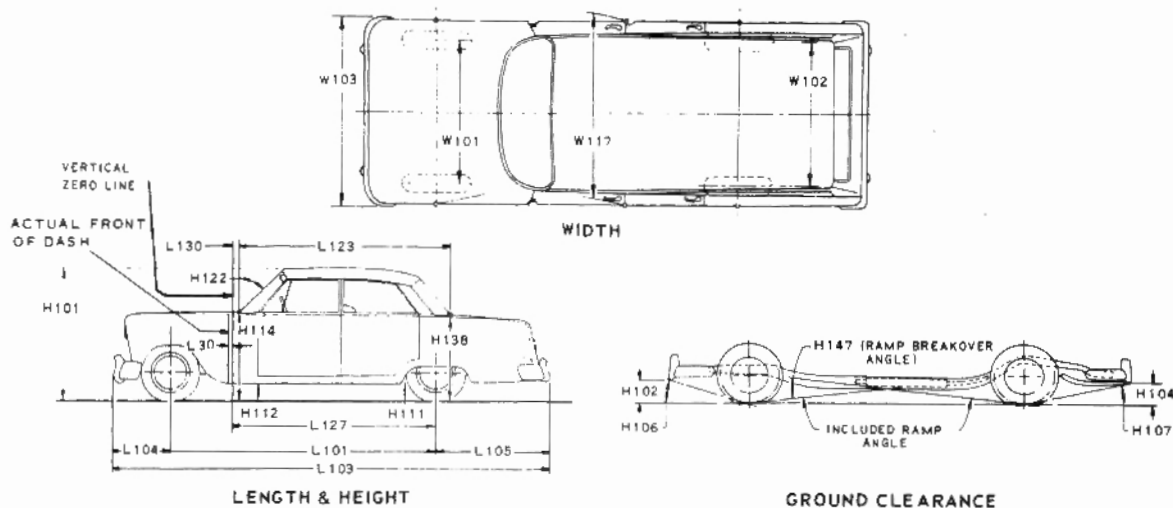
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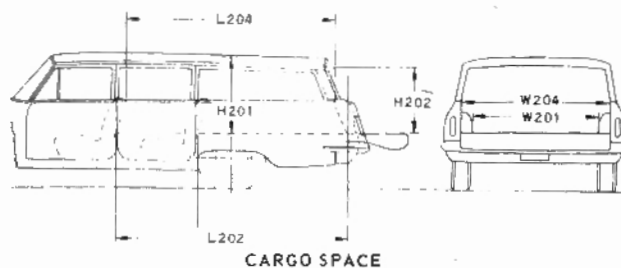
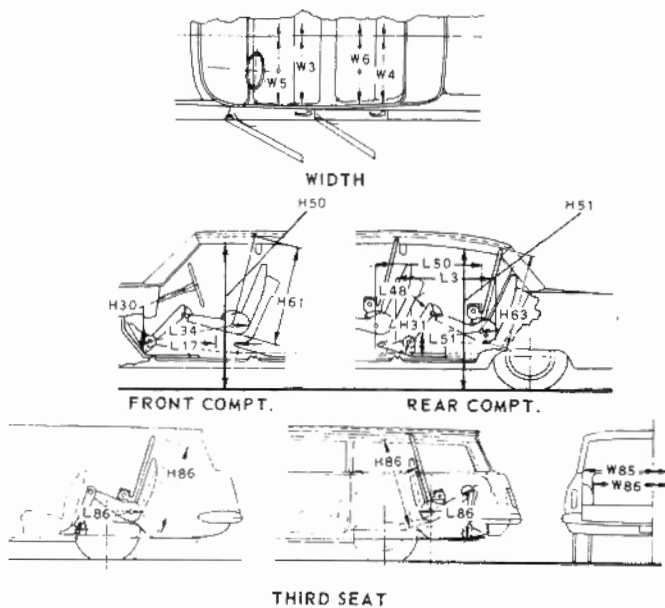
CAR AND BODY DIMENSIONS

KEY SHEET

EXTERIOR CAR AND BODY DIMENSIONS



INTERIOR CAR AND BODY DIMENSIONS



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's 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 top, 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 at 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 wheelhouses 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-end 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 Form—Passenger Car

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