

AMA Specifications – Passenger Car

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MANUFACTURER DODGE DIVISION CHRYSLER CORPORATION	CAR NAME DODGE				
MAILING ADDRESS DETROIT 31, MICHIGAN	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"> MODEL YEAR 1963 </td> <td style="padding: 5px;"> ISSUED: 11-9-62 </td> </tr> <tr> <td colspan="2" style="padding: 5px;"> REVISED (a) 4-22-63 </td> </tr> </table>	MODEL YEAR 1963	ISSUED: 11-9-62	REVISED (a) 4-22-63	
MODEL YEAR 1963	ISSUED: 11-9-62				
REVISED (a) 4-22-63					

NOTES:

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

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BODY—TYPES AND STYLE NAMES—

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

DODGE V-8 HIGH-PERFORMANCE OPTIONS

Data for the High-Performance options described in the following pages apply to all Dodge 330, 440, Polara, and Polara 500 models.

For information not contained herein, refer to the primary AMA.

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HIGH-PERFORMANCE

MAKE OF CAR _____ OPTIONS _____ MODEL YEAR 1963 DATE ISSUED 11-9-62 REVISED(•) 4-22-63

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL	Additional Information Page No.:	383 Cu In.		426 Cu In.			
		1, 4-bbl	2, 4-bbl Runner	1, 4-bbl		2, 4-bbl Ram	
Wheelbase (L101)	23	See Page 1, Primary AMA					
Tread	Front (W101)	"					
	Rear (W102)	"					
Maximum Overall Dimensions	Length (L103)	"					
	Width (W103)	"					
	Height (H101)	"					
Transmission— (Specify trade name - opt., not available)	Manual	Std.					
	Overdrive	NA					
	Automatic	Opt.					
Axle ratio	Manual	See Page 17					
	Overdrive	---					
	Automatic	See Page 17					
Tire size	18	Std.: 7.00 x 14 Opt.: 7.50 x 14 (a)		7.50 x 14 (a)			
Engine	Type, no. cyl., valve arr.	90° V-8, OHV					
	Fuel system (Carb., other)	1, 4-bbl	2, 4-bbl Runner	1, 4-bbl		2, 4-bbl Ram	
	Bore and stroke	4.25 x 3.38		4.25 x 3.75			
	Piston displ., cu.in.	383		426			
	Std. compression ratio	11.0		11.0	12.5	11.0	13.5
	Max. bhp at engine rpm	320 @ 4600	325 @ 5200	370 @ 4600	385 @ 5200	415 @ 5600	425 @ 5600
	Max. torque at rpm	430 @ 2800	420 @ 3600	460 @ 2800	465 @ 3600	470 @ 4400	480 @ 4400

(a) Option for rear wheels only: 9.00 x 14.

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	383 Cu In.		426 Cu In.	
MODEL	1, 4-bbl	2, 4-bbl Runner	1, 4-bbl	2, 4-bbl Ram

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			
Piston displacement, c.u. in.		383		426			
Bore spacing (C/L to C/L)		4.8					
No. system (front to rear)	L. Bank	1 - 3 - 5 - 7					
	R. Bank	2 - 4 - 6 - 8					
Firing order		1 - 8 - 4 - 3 - 6 - 5 - 7 - 2					
Compres. ratio (nominal)		11.0	11.0	12.5	11.0	13.5	
Cylinder Head Material		Cast Iron					
Cylinder Block Material		Cast Iron					
Cylinder Sleeve—Wet, dry, none		None					
Number of mounting points	Front	Two					
	Rear	One					
Engine installation angle		1.1° Right, 2.6° Up					
Taxable horsepower	Diag. 2 x No. Cyl. 2.5	57.8					
Published max. bhp* @ eng. RPM		320 @ 4600	325 @ 5200	370 @ 4600	385 @ 5200	415 @ 5600	425 @ 5600
Published max. torque* (lb. ft. @ RPM)		430 @ 2800	420 @ 3600	460 @ 2800	465 @ 3600	470 @ 4400	480 @ 4400
Recommended fuel regular - premium		Premium					
Idle speed (spec. neutral or drive)	Manual	700 - 800					
	Automatic	700 - 800					

ENGINE—PISTONS

Material		Cast aluminum alloy (a)							
Description and finish		Slipper-type, steel strut, elliptically-turned, tin-plated							
Weight (piston only) oz.		27.1			27.5				
Clearance (limits)	Top land	.032 - .038			.043 - .047				
	Skirt	Top	.0005 - .0015			(b).	(c)	(b)	(c)
		Bottom	---						
Ring groove depth	No. 1 ring	.220			.215				
	No. 2 ring	.220			.220				
	No. 3 ring	.208							
	No. 4 ring	None							

* Max. bhp (brake horsepower) and max. torque corrected as defined by SAE Engine Test Code.

- (a) Optional - Forged aluminum alloy, domed, trunk-type; available on the 426 cu in. engine.
- (b) .0035 - .0045.
- (c) .008 - .010.

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POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION		AXLE RATIO (Std. first)
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM			
ALL 330, 440, POLARA, AND POLARA 500 MODELS	383	1, 4-bbl	11.0	320 @ 4600	430 @ 2800	Manual	3-Speed	3.23 (a)
							4-Speed	3.55 (a)
						Automatic		3.23 (a)
		2, 4-bbl Runner		325 @ 5200	420 @ 3600	Manual	3-Speed	3.23 (a)
							4-Speed	3.55 (a)
				Automatic		3.23 (a)		
	426	1, 4-bbl	11.0	370 @ 4600	460 @ 2800	Manual	3-Speed	3.91 (a)
							4-Speed	3.55 (a)
						Automatic		3.91 (a)
			● 12.5	● 385 @ 5200	● 465 @ 3600	Manual	3-Speed	3.91 (a)
							4-Speed	3.55 (a)
						Automatic		3.91 (a)
2, 4-bbl Ram		11.0	415 @ 5600	470 @ 4400	Manual	3-Speed	3.91 (a)	
						4-Speed	3.55 (a)	
					Automatic		3.91 (a)	
		13.5	425 @ 5600	480 @ 4400	Manual	3-Speed	3.91 (a)	
						4-Speed	3.55 (a)	
					Automatic		3.91 (a)	
(a) See Page 17 for optional rear axle ratios.								

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HIGH-PERFORMANCE OPTIONS

MAKE OF CAR	MODEL YEAR 1963	DATE ISSUED 11-9-62	REVISED (*)
MODEL	383 Cu In.	426 Cu In.	

ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.	See Primary AMA	
	No. 2, oil or comp.	"	
	No. 3, oil or comp.	"	
	No. 4, oil or comp.	---	
Compression	Description - material, type, coating, etc.	Description, See Primary AMA	
	Width	Tin Plated	#1 - Chrome, #2 Tin-Plated
	Gap	See Primary AMA	
Oil	Description - material, type, coating, etc.	"	
	Width	"	
	Gap	"	
Expanders		"	

ENGINE—PISTON PINS

Material			"
Length			"
Diameter			"
Type	Locked in rod, in piston, floating, etc.	"	
	Bushing	In rod or piston	"
		Material	"
Clearance	In piston	"	
	In rod	"	
Direction & amount offset in piston			"

ENGINE—CONNECTING RODS

Material			"
Weight (oz.)			"
Length (center to center)			"
Bearing	Material & Type	"	
	Overall length	"	
	Clearance (limits)	"	
	End play	"	

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HIGH-PERFORMANCE

MAKE OF CAR _____ OPTIONS _____ MODEL YEAR 1963 DATE ISSUED 11-9-62 REVISED (a) 4-22-63

	383 Cu In.	426 Cu In.
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ENGINE—CRANKSHAFT

Material		See Primary AMA		
Vibration damper type		"		
End thrust taken by bearing (No.)		"		
Crankshaft end play		"		
Main bearing	Material & type	Std.:	See Primary AMA	
		Opt.:	Copper-lead babbitt	
	Clearance	Std. - .0005 - .0015; Opt. - .002 - .004		
	Journal dia. and bearing overall length	No. 1	2.625 x 1.019	2.749 x 1.019
		No. 2	2.625 x 0.971	2.749 x 0.971
		No. 3	2.625 x 0.994	2.749 x 0.994
		No. 4	2.625 x 0.971	2.749 x 0.971
		No. 5	2.625 x 0.927	2.749 x 0.927
No. 6		---		
No. 7		---		
Dir. & amt. cyl. offset		None		
Crankpin journal diameter		2.374	2.373	

ENGINE—CAMSHAFT

Location		See Primary AMA		
Material		"		
Bearings	Material	"		
	Number	"		
Type of Drive	Gear or chain		"	
	Crankshaft gear or sprocket material		"	
	Camshaft gear or sprocket material		"	
	Timing chain	No. of links	"	
		Width	"	
		Pitch	"	

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Mechanical	
Valve rotator, type (intake, exhaust)		Std.:	Low-friction lock on exhaust
		Opt.:	Single-bead lock
Rocker ratio		1.5	
Operating tappet clearance (indicate hot or cold)	Intake	.016 (a)	
	Exhaust	.028 (a)	
Timing marks on flywheel, damper, other		Stationary indicator on chain case cover	

(Continued)

(a) With 300° - 300° and 300° - 308° camshafts: Intake .028 (cold), exhaust .032 (cold).

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 MAKE OF CAR _____ OPTIONS _____ MODEL YEAR 1963 DATE ISSUED 11-9-62 REVISED (*)4-22-63

MODEL _____
 Optional Camshafts
 All Models

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	22	24	33	38	33	•	
		Closes (°ABC)	66	72	87	82	87	•	
		Duration - deg.	268	276	300	300	300	•	
	Exhaust	Opens (°BBC)	62	62	78	76	87	•	
		Closes (°ATC)	26	34	42	44	41	•	
		Duration - deg.	268	276	300	300	308	•	
	Valve opening overlap		48	58	75	82	74	•	
Intake	Material		SAE 1041						
	Overall length		4.87						
	Actual overall head dia.		2.08						
	Angle of seat & face		45°						
	Seat insert material		None						
	Stem diameter		.37						
	Stem to guide clearance		.001 - .003						
	Lift (@ zero lash)		.444	.450	.509	.520			•
	Outer spring press. and length	Valve closed (lb. @ in.)	95 @ 1.86 (a)						•
		Valve open (lb. @ in.)	266 @ 1.36 (a)						•
	Inner spring press. and length	Valve closed (lb. @ in.)	30 @ 1.56						•
		Valve open (lb. @ in.)	77 @ 1.13						•
	Exhaust	Material		21-4N					
Overall length		4.87							
Actual overall head dia.		Std. 1.60, Opt. 1.74			1.88				
Angle of seat & face		45°							
Seat insert material		None							
Stem diameter		.37							
Stem to guide clearance		.002 - .004							
Lift (@ zero lash)		.456	.455	.509	.520			•	
Outer spring press. and length		Valve closed (lb. @ in.)	95 @ 1.86						•
		Valve open (lb. @ in.)	266 @ 1.36						•
Inner spring press. and length		Valve closed (lb. @ in.)	30 @ 1.56						•
		Valve open (lb. @ in.)	77 @ 1.13						•

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	See Primary AMA
	Connecting rods	"
	Piston pins	"
	Camshaft bearings	"
	Tappets	"
	Timing gear or chain	"
	Cylinder walls	"

(Continued)

(a) Spring load does not include effect of damper spring.

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MAKE OF CAR	HIGH-PERFORMANCE OPTIONS	MODEL YEAR 1963	DATE ISSUED 11-9-62	REVISED (a)
MODEL		383 Cu In.		426 Cu In.

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	See Primary AMA
Normal oil pressure (lb. @ engine rpm)	"
Oil pressure sending unit (elect. or mech.)	"
Type oil intake (floating, stationary)	Stationary Swinging
Oil filter system (full flow, partial, other)	See Primary AMA
Filter replacement (element, complete)	"
Capacity of crankcase, less filter-refill (qt.)	Five
Oil grade recommended (SAE viscosity and temperature range)	See Primary AMA
Engine Service Requirement (MM, MS, etc.)	MS

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	Two, reverse flow
Exhaust pipe dia. (O.D. & wall thickness)	None
	Branch: Std. 2.25, Opt. 3.0 Main: Std. 1.88, Opt. 2.0
Tail pipe diameter (O.D. & wall thickness)	Std. 1.88, Opt. 2.0

ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	See Primary AMA
	Optional	"
Control unit	Make and model	"
	Location	"
	Energy source (manifold vacuum, carburetor air stream, other)	"
	Control method (variable orifice, fixed orifice, other)	"
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	"
	Air Inlet (breather cap, carburetor air cleaner, other)	"
	Flame arrestor (screen, check valve, other)	"

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 MAKE OF CAR _____ OPTIONS _____ MODEL YEAR 1963 DATE ISSUED 11-9-62 REVISED (*) 4-22-63

All Models

MODEL _____

ENGINE—FUEL SYSTEM

(See Supplement to Page 8 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		See Primary AMA
Fuel Tank	Capacity (gals.)	"
	Filler location	"
Fuel Pump	Type (elec. or mech.)	"
	Locations	"
	Pressure range	Std. 4 to 5.5, Opt. 8 to 10
Vacuum booster (std., optional, none)		See Primary AMA
Fuel Filter	Type	"
	Locations	"
Carburetor	Choke type	Std. - Manual, Opt. - Automatic
	Intake manifold heat control (exhaust or water)	Std. - None, Opt. - Exhaust
	Air clnr. type	See Primary AMA
	Standard	"
	Optional	"

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size	
			Make	Model			
ALL MODELS	383	All	Carter		AFB-3437-S	1, 4-bbl	P: 1.44 S: 1.56
					AFB-3397-S	1, 4-bbl Large Bore	P: 1.62 S: 1.69
					AFB-3559-S		P: 1.69 S: 1.69
				F: AFB-3258-S R: AFB-3259-S	2, 4-bbl Runner	P: 1.44 S: 1.56	
				AFB-3559-S	1, 4-bbl Large Bore	P: 1.69 S: 1.69	
				Holley		R-2814-A	P: 1.69 S: 1.69
	426		Carter	(2) AFB-3705-S	2, 4-bbl Ram	P: 1.69 S: 1.69	

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All Models

MODEL _____

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		See Primary AMA	
Radiator cap relief valve pressure		"	
Circulation thermostat	Type (choke, bypass)	"	
	Starts to open at (°F)	"	
Water pump	Type (centrifugal, other)	"	
	GPM @ 1000 pump rpm	"	
	Number of pumps	"	
	Drive (V-belt, other)	"	
	Bearing type	"	
By-pass recirculation type (internal, external)		"	
Radiator core type (cellular, tube and fin, other)		"	
Cooling system capacity	With heater (qt.)	"	
	Without heater (qt.)	"	
	Opt. equipment-specify (qt.)	"	
Water jackets full length of cylinder (yes, no)		"	
Water all around cylinder (yes, no)		"	
Radiator hose	Lower	Number and type (molded, straight)	"
		Inside diameter	"
	Upper	Number and type (molded, straight)	"
		Inside diameter	"
	By-pass	Number and type (molded, straight)	"
		Inside diameter	"
	Fan	Number of blades & Spacing	Std - Four, 76° - 104°; Opt - Seven, 60° - 45° - 59° - 47° - 54° - 50° - 45° (b) ●
		Diameter	Std. 18, Opt. 16 (4-blade)
Ratio-fan to crankshaft rev.		Std. .95 to 1, Opt. .89 to 1 (a)	
Fan cutout type		Std. - None, Opt. - Silent-Flite (b) ●	
Bearing type		See Primary AMA	
*Drive belts (Indicate belt used by letter)	Fan	"	
	Generator	"	
	Water Pump	"	
	Power Steering	"	
Air Conditioning		"	

* Drive Belt Dimensions	See Primary AMA
Angle of V	"
Nominal length (SAE)	"
Width	"

(a) Optional fan has a special deep-groove pulley.

(b) Silent-Flite and 7-blade fan are standard for the 426-cu in. 2, 4-bbl Ram Version.

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HIGH-PERFORMANCE

MAKE OF CAR OPTIONS MODEL YEAR 1963 DATE ISSUED 11-9-62 REVISED (a) 4-22-63

	383 Cu In.	426 Cu In.
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MODEL _____

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		See Primary AMA	
	Voltage Rtg. & Total Plates		"	
	SAE Designation & Amp Hr. Rtg		" (a)	
	Location		Std. - Left front engine compartment Opt. - Right rear luggage compartment (a)	
	Terminal grounded		Negative	
Generator Alternator	Make		Chrysler	
	Model		2098300	
	Type		3-phase, full-wave rectifier	
	Ratio—Gen. to Cr/s rev.		Std. 2.32, Opt. 1.71	1.71
	Gen. cut-in (hot)—engine rpm		See Primary AMA	
Regulator	Make		"	
	Model		"	
	Type		"	
	Cutout relay	Closing voltage @ generator rpm	"	
		Reverse current to open	"	
	Regu-lated	Voltage	"	
		Current	"	
	Voltage test con-ditions	Temperature	"	
		Load	"	
Other		"		

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		"	
	Model		"	
	Rotation (drive and view)		"	
	Engine cranking speed		"	
	Test conditions		"	
	Lock test	Amps	"	
		Volts	"	
		Torque (lb. ft.)	"	
	No load test	Amps	"	
Volts		"		
RPM (min.)		"		
Motor control	Switch (solenoid, manual)		"	
	Starting procedure		"	

(Continued)

(a) 90 amp-hr battery is standard in right rear luggage compartment for the 2, 4-bbl Ram version of the 426-cu in. engine.

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HIGH-PERFORMANCE

MAKE OF CAR	OPTIONS	MODEL YEAR 1963	DATE ISSUED 11-9-62
		383 Cu In.	426 Cu In.
MODEL		Manual Transmission	Automatic Transmission
		Manual Transmission	Automatic Transmission

ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Solenoid			
	Pinion meshes (front, rear)		Front			
	Number of teeth	Pinion	9	10	9	10
		Flywheel	172	130	172	130
Flywheel tooth face width		.340				

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Autolite or Essex with Chrysler ballast resistor			
	Model		200567 or 62-160-2			
	Amps	Engine stopped	3.0			
Engine idling		1.9				
Distributor	Make		Autolite			
	Model		IBS-4006-G		IBB-4202	
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	0 @ 550 to 850		0 @ 850-1150	
		Intermediate points deg. @ rpm	0 - 3 @ 850 7 - 9 @ 1550		0 - 7 @ 1150	
		Max deg. @ rpm	11 - 13 @ 4100		22 - 26 @ 2060	
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	0 @ 7.5 to 9.2		None	
		Intermediate points, deg @ in Hg	9 - 15 @ 12		None	
		Max. deg. in. Hg.	19 - 25 @ 16		None	
	Breaker gap (in.)		.014 - .019			
	Cam angle (deg.)		Each Set - 27 - 32, Both Sets - 34 - 40			
Breaker arm tension (oz.)		17 - 21.5		Maximum 30		
Crankshaft deg. @ rpm.		10 BTC @ 500		10 BTC @ 800		
Timing	Mark location		Stationary indicator on chain case cover			
	Cylinder numbering system (see page 2)		Left bank: 1 - 3 - 5 - 7		Right bank: 2 - 4 - 6 - 8	
			Firing order (see page 2) 1 - 8 - 4 - 3 - 6 - 5 - 7 - 2			
Spark Plug	Make and model		Champion J9Y			
	Thread (mm)		14-mm			
	Tightening torque (lb. ft.)		30-32			
	Gap		.035			
Cable	Conductor type		Std. - Resistor, Opt. - Stainless steel core			
	Insulation type		Synthetic rubber with neoprene jacket (a)			
	Spark plug protector		Silicone			

ELECTRICAL—SUPPRESSION

Locations & type	Resistance-type spark plug and coil leads
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(a) Optional: 7-mm silicon with glass inner braid.

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		383 Cu In.	426 Cu In.	
MODEL	3-Speed	4-Speed	3-Speed	4-Speed

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	Borg & Beck, dry plate, semi-centrifugal			
Type pressure plate springs	Coil			
Effective plate pressure (lb.)	2370			
No. of clutch driven discs	One			
Clutch facing	Material	Molded, woven asbestos		
	Outside & inside dia.	10.5 x 6.5		
	Total eff. area (sq.in.)	106.8		
	Thickness	.135		
	Engagement cushioning method	See Primary AMA		
Release bearing	Type & method of lubrication	"		
Torsional damping	Methods: springs, friction material	"		

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	Std.
Manual with overdrive (std. or opt.)	NA
Automatic (std. or opt.)	Opt.

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds	Three	Four	Three	Four	
Transmission ratios	In first	2.55	2.20	2.10	2.20
	In second	1.49	1.66	1.445	1.66
	In third	1.00	1.31	1.00	1.31
	In fourth	--	1.00	--	1.00
	In reverse	3.34	2.26	2.66	2.26
Synchronous meshing, specify gears	2nd & 3rd	All forward speeds	2nd & 3rd	All forward speeds	
Shift lever location	Std. - Strg. column, Opt. - Floor		Floor		
Lubricant	Capacity (pt.)	See Primary AMA			
	Type recommended	"			
	SAE viscosity number	Summer	"		
		Winter	"		
	Extreme cold	"			

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	HIGH-PERFORMANCE OPTIONS	MODEL YEAR 1963	DATE ISSUED 11-9-62	REVISED (e)
MAKE OF CAR	383 Cu In.			426 Cu In.
MODEL	3-Speed Trans.	4-Speed Trans.	3-Speed Trans.	4-Speed Trans.

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		See Primary AMA		
	Manual lockout (yes, no)		"		
	Downshift accelerator control (yes, no)		"		
	Minimum cut-in speed		"		
	Gear ratio		"		
	Lu- bri- cant	Capacity (pt.) (Overdrive only)		"	
		Separate filler (yes, no)		"	
		Type recommended		"	
		SAE vis- cosity number	Summer		"
	Winter		"		
Ext. cold			"		

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	"		
Type describe	For description, See Primary AMA		
	Hi-Speed Governor	Extra Hi-Speed Governor	
Method of Selection (Lever, Push Button or other)	See Primary AMA		
Selector Pattern	"		
List gear ratios Selector Pattern and indicate which are used in each selector position	"		
Max. upshift speeds—drive range	"		
Max. kickdown speeds—drive range	"		
Torque converter	Number of elements		"
	Max. ratio at stall		"
	Type of cooling (air, water)		"
Lubricant	Capacity—refill (pt.)		"
	Type recommended		"
Special transmission features	"		

DRIVE UNITS—PROPELLER SHAFT

Number used	One				
Type (exposed, torque tube)	Exposed				
Outer diameter x length* x wall thickness	Manual transmission	3.00 x 58.8 x .065 (a)	3.00 x 56.6 x .065 (b)	3.00 x 57.0 x .065 (c)	3.00 x 56.6 x .065 (d)
	Overdrive transmission				
	Automatic transmission	2.75 x 56.6 x .065 (e)	---	2.75 x 56.6 x .065 (e)	---

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

(Continued)

FOR STATION WAGONS: (a) 3.00 x 55.8 x .065 (b) 3.00 x 53.6 x .065 (c) 3.00 x 54.0 x .065
(d) 3.00 x 53.6 x .065 (e) 2.75 x 53.6 x .065

AMA Specifications – Passenger Car

HIGH-PERFORMANCE

MAKE OF CAR	OPTIONS	MODEL YEAR 1963	DATE ISSUED 11-9-62	REVISED (a)	
		383 Cu In.	426 Cu In.		
		Manual Trans. 3-Speed	Automatic 4-Speed	Manual Trans. 3-Speed	Automatic 4-Speed
					Automatic Transmission

MODEL

DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	See Primary AMA				
	Lubrication (fitting, prepack)	"				
Universal joints	Make	"				
	Number used	"				
	Type (ball and trunion, cross, other)	"				
	Bearing	Type (plain, anti-friction)	"			
Lubric. (fitting, prepack)		"				
Drive taken through (torque tube or arms, springs)		"				
Torque taken through (torque tube or arms, springs)		"				

DRIVE UNITS—REAR AXLE

Description (see instructions)		"					
Limited Slip differential, type		"					
Drive Pinion Offset		"					
No. of differential pinions		"					
Gear ratios (Std. equip.) (a)	Manual transmission	3.23	3.55	---	3.91	3.55	---
	Overdrive transmission						
	Automatic transmission	---	3.23	---	3.91		
Ring gear O.D. (std. ratio)		See Primary AMA					
Pinion adjustment (shim, other)		"					
Pinion bearing adj. (shim, other)		"					
Wheel bearing type		"					
Lubricant	Capacity (pt.)	"					
	Type recommended	"					
	SAE viscosity number	Summer	"				
		Winter	"				
	Extreme cold	"					

(a) The following axle ratios are available for all models; all are available with Sure-Grip:

Axle ratio	2.76 2.93 3.15 3.23 3.31 3.42 3.55 3.58 3.73 3.91 4.10 4.30 4.56 4.89 5.12 5.38 5.57 5.83 6.17																				
No. of teeth	Pinion	47	17	14	13	13	13	12	11	12	11	11	10	10	9	9	8	8	7	6	6
	Ring gear	47	41	41	42	43	41	39	43	41	43	41	43	41	44	41	43	39	35	37	

AMA Specifications – Passenger Car

MAKE OF CAR	HIGH-PERFORMANCE	MODEL YEAR 1963	DATE ISSUED 11-9-62	REVISED (e)
	OPTIONS	383 Cu In.		426 Cu In.
MODEL				

DRIVE UNITS—WHEELS

Type & material		Disc, steel
Rim (size and flange type)	Std.	14 x 5.5 K
	Opt.	14 x 6.5 K (On rear only with 9.00 x 14 tires)
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.5
	Number and size	Five, 1/2 - 20 NF

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	7.00 x 14, 2	7.50 x 14, 4
	Type - Nylon, etc.	Rayon	
Rev/mile at 50 mph.		See Primary AMA	
Inflation press. (cold)	Front	"	
	Rear	"	
Optional tires - size and ply		7.00 x 14, 4 7.50 x 14, 4	7.50 x 14, 2
		Rear Only: 9.00 x 14, 4	Rear Only: 9.00 x 14, 4

BRAKES—SERVICE

Type (duo-servo, disc, balanced, etc.)		See Primary AMA
Self adjusting (std., opt., N.A.)		"
Hydraulic system type (single, dual, etc.)		"
Power brake make & type (remote, integral, etc.)		"
Effective area (sq. in.)*		"
Gross lining area (sq. in.)**		"
Swept drum area (sq. in.)***		"
Percent brake effectiveness—front		"
Drum	Diameter	Front Rear
	Type and material	"
	Wheel cylinder bore	Front Rear
Master cylinder bore		"
Available pedal travel		"
Line pressure at 100 lb. pedal load		"
Shoe clearance adjustment		"

(Continued)

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

AMA Specifications – Passenger Cars

HIGH-PERFORMANCE

MAKE OF CAR	OPTIONS	MODEL YEAR 1963	DATE ISSUED 11-9-62	REVISED (*)
		383 Cu In.		426 Cu In.
MODEL		Sedans and Coupes	Station Wagons	Sedans and Coupes Station Wagons

SUSPENSION FRONT (cont.)

Spring	Type	Torsion Bar
	Material	Steel
	Size (coil design height & I.D.; bar length x dia.)	Std. - 41.0 x 0.88; Opt. - Without Sway Bar 41.0 x 0.90; With Sway Bar 41.0 x 0.88
	Spring rate (lb. per in.)	Not Applicable
	Rate at wheel (lb. per in.)	Not Available
	Design load (lb. @ design height)	"
Stabilizer	Type (link, linkless, frameless)	Opt.
	Material & bar diameter	---

STEERING

Mechanical (std., opt., NA)		See Primary AMA	
Power (std., opt., NA)		"	
Wheel diameter		"	
Turning diameter	Outside front	Wall to wall (l. & r.) Curb to curb (l. & r.)	
	Inside rear	Wall to wall (l. & r.) Curb to curb (l. & r.)	
	Outside wheel angle with inside wheel at 20°		"
	Mechanical	Gear	Type
Make			
Ratios			Gear
Overall			
No. wheel turns		"	
Power	Type (coaxial, linkage, etc.)		
	Make		
	Trade name		
	Gear	Type	
		Ratios	Gear
		Overall	
	Pump driven by		"
	Number wheel turns		"
Linkage	Type		
	Location (front or rear of wheels, other)		
	Drag link (trans. or longit.)		
	Tie rods (one or two)		

(Continued)