

AMA Specifications—Passenger Car

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MANUFACTURER	Chevrolet Motor Division Owner Relations Department	CAR NAME	CORVETTE
MAILING ADDRESS	1077 Argonaut "A" G.M. Bldg. Detroit, Michigan 48202	MODEL YEAR	1968
		ISSUED	10-15-67
		REVISED (a)	

NOTES:

- The 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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BODY - TYPES AND STYLE NAMES -

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

	<u>327 Cu.In.</u>	<u>427 Cu.In.</u>		
V8-300HP	V8-350HP	V8-390HP	V8-400HP	V8-435HP
Standard	Opt(L79)	Opt(L79)	Opt(L68)	Opt(L71)

2-Door Sport Coupe, 2-Pass.	19437
2-Door Convertible, 2-Pass.	19467

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MAKE OF CAR CORVETTE MODEL YEAR 1968 DATE ISSUED 10/15/67 REVISED (a)

CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

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

MODEL	19400	SAE Ref. No.	SPORT COUPE	CONVERTIBLE	
				SOFT TOP	HARDTOP

WIDTH

Track - Front	W101	58.3
Track - Rear	W102	59.0
Maximum overall car width	W103	69.2
Body width at No. 2 pillar	W117	

LENGTH

Body "O" to front of dash	L 30	
Wheelbase	L101	98.0
Overall car length	L103	182.1
Overhang - front	L104	40.2
Overhang - rear	L105	43.9
Body upper structure length	L123	54.7
Body "O" line to ϵ of rear wheel	L127	72.0
Body "O" line to w/s cowl point	L130	11.6

HEIGHT

Overall height	H101	47.8
Cowl height	H114	26.6
Deck height	H138	
Rocker panel - front	To ground	7.6
	From front wheel ϵ	H112
Rocker panel - rear	To ground	7.6
	From rear wheel ϵ	H111
Windshield slope angle	H122	57

GROUND CLEARANCE

Bumper to ground - front	H102	9.2
Bumper to ground - rear	H104	12.3
Angle of approach	H106	22
Angle of departure	H107	21
Ramp breakover angle	H147	22
Min. running clearance (Specify)	H156	4.9 (Exhaust to ground)

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(All dimensions in inches unless otherwise indicated)

MODEL	19400	SAE Ref. No.	SPORT COUPE	CONVERTIBLE	
				SOFT TOP	HARDTOP

FRONT COMPARTMENT

Effective head room	M61	36.2	37.1	36.0
Max. eff. leg room - accelerator	L34		43.0	
H Point to Heel point	H30		6.5	
H Point travel	L17		4.5	
Shoulder room	W 3		46.9	
Hip room	W 5		48.8	
Upper body opening to ground	H50		43.6	

REAR COMPARTMENT

H Point couple distance	L50		--	
Effective head room	M63		--	
Min. effective leg room	L51		--	
H Point to Heel point	H31		--	
Min. knee room	L48		--	
Rear Compartment room	L 3		--	
Shoulder room	W 4		--	
Hip room	W 6		--	
Upper body opening to ground	H51		--	

LUGGAGE COMPARTMENT

Usable luggage capacity	V 1			
Liftover height	H195			
Position of spare tire storage				
Method of holding lid open				

STATION WAGON - THIRD SEAT

Shoulder Room	W85			
Hip room	W86			
Effective leg room	L86		NOT AVAILABLE	
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 - wheelbase	W201			
Opening width at belt	W204		NOT AVAILABLE	
Maximum cargo height	H201			
Rear opening height	H202			
Cargo volume index (cu. ft.) $W4 \times L204 \times H201$ 1728	V2			

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POWER TEAMS

(Indicate whether standard or optional)

A B C D

MODEL AVAILABILITY	ENGINE					TRANSMISSION		AXLE RATIO ** (Std. first) (Indicate A/C ratio) *			
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP RPM	Torque RPM						
ALL MODELS	327 Std.	One; 4-Bbl	10.0:1	300 @ 5000	360 @ 3400	3-Speed (2.54:1 low)	Base	3.36	3.08	--	--
						& 4-Speed* (2.52:1 low)	A/C	3.36	3.08		
						Turbo *	Base	3.08	--	--	--
						Hyd-Mtc.	A/C	3.08	--	--	--
	327 Opt. (L79)	One; 4-Bbl	11.0:1	350 @ 5800	360 @ 3600	4-Speed* (2.52:1 low)	Base	3.36	--	3.55	--
							A/C	3.36	--	3.55	--
						4-Speed* (2.20:1 low)	Base	3.70	--	4.11	--
							A/C	3.70	--	4.11	--
	427 Opt. (L36)	One; 4-Bbl	10.25:1	390 @ 5400	460 @ 3600	4-Speed* (2.52:1 low)	Base	3.08	--	3.36	
							A/C	3.08	--	3.36	--
						4-Speed* (2.20:1 low)	Base	3.36	3.08	3.55	3.70
							A/C	3.36	3.08	3.55	3.70
						Turbo *	Base	3.08	2.73	--	--
						Hyd-Mtc	A/C	3.08	2.73	--	--
	427 Opt. (L68)	Three; 2-Bbl	10.25:1	400 @ 5400	460 @ 3600	4-Speed* (2.52:1 low)	Base	3.08	--	3.36	--
							A/C	3.08	--	3.36	--
						4-Speed* (2.20:1 low)	Base	3.36	3.08	3.55	3.70
							A/C	3.36	3.08	3.55	3.70
						Turbo *	Base	3.08	2.73	--	--
						Hyd-Mtc	A/C	3.08	2.73	--	--
	427 Opt. (L71)	Three 2-Bbl	11.0:1	435 @ 5800	460 @ 4000	4-Speed* (2.26:1 low)	Base	3.55	3.36	3.70	4.11
							A/C	Not available			
A-Standard B-Economy C-Performance D-Special Purpose *-Optional **-Positraction axles available optionally for 327 Cu. In. 3-Speed & 4-Speed combinations. All other engine-transmission. axle combinations are available as positraction only.											

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MAKE OF CAR	CORVETTE	MODEL YEAR	1968	DATE ISSUED	10/15/67	REVISED (e)
MODEL	19400	327 Cu. In. V-8 300 HP Standard	350 HP Opt. (L79)	390 HP Opt. (L36)	427 Cu. In. V-8 400 HP Opt. (L68)	435 HP Opt. (L)

ENGINE - GENERAL

Type, no. cyls., valve arr.	90° OHV V-8				
Bore and stroke (nominal)	4.00 x 3.25		4.25 x 3.76		
Piston displacement, cu. in.	327		427		
Bore spacing (E to E)	4.4		4.84		
No. system	L. Bank	1-3-5-7			
(front to rear)	R. Bank	2-4-6-8			
Firing order	1-8-4-3-6-5-7-2				
Compress. ratio (nominal)	10.0:1	11.0:1	10.25:1	11.0:1	
Cylinder Head Material	Cast alloy iron				
Cylinder Block Material	Cast alloy iron				
Cyl. Sleeve-Wet, dry, none	None				
Number of	Front	Two			
mtg. points	Rear	One			
Engine installation angle	3°				
Taxable <u>Dio²xNo. Cyl.</u> horsepower <u>2.5</u>	51.2		57.8		
Publishing max. bhp* e eng. RPM	300 @ 5000	350 @ 5800	390 @ 5400	400 @ 5400	435 @ 5800
Publishing max. torque * (lb. ft. e RPM)	360 @ 3400	360 @ 3600	460 @ 3600	460 @ 3600	460 @ 4000
Recommended fuel regular - premium					

ENGINE - PISTONS

Material	Cst. al. alloy	(a)	Cast aluminum alloy	(a)
Description and finish	Flat notched head	Domed head, valve cutout		
Weight (piston only) oz.	21.60	20.64	28.00	24.67
Clearance (limits)	Top land	.0365 - .0455		.0265 -
	Skirt Top	.0005 - .0011(b)	.0024 - .0030(c)	.0012 - .0018(d)
	Bottom	.0040 -		
Ring groove depth	No. 1 ring	.2217 - .2283		.2348 - .2413
	No. 2 ring	.2217 - .2283		.2348 - .2413
	No. 3 ring	.2038 - .2103		.2183 - .2248
	No. 4 ring	None		

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

- (a) Aluminum impact extruded
- (b) Measured 2.24 from top of piston
- (c) Measured 2.20 from top of piston
- (d) Measured 1.91 from top of piston
- (e) Measured 2.07 from top of piston

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					435 H Opt. (L

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 - Upper material, coating, etc.	Cast alloy iron; bbl. face; chrome plate on L30, Moly inlay on rema /			
	Lower	Cast alloy iron; chrome plate on L79 & L71, wear resistant ctng. o			
	Width	(a)	(b)	.0770-.0775	/ rema
	Gap	(c)		.010-.020	
Oil	Description - material, coating, etc.	Multi-piece (2 rails and one spacer expander) Rails-steel, chrome plated OD Expander-stainless steel			
	Width	.1870-.1890 (assembled)			
	Gap	.015-.055		.010-.030	
	Expanders	In oil ring assembly			

ENGINE - PISTON PINS

Material	Chromium steel			
Length	2.990-3.010		2.930-2.950	
Diameter	.9270-.9273		.9895-.9898	
Type	Locked in rod, in piston, floating, etc.	Locked in rod		
	Bush- ing	None		
	In rod or piston Material	--		
Clearance	In piston	.00015-.00025	.00045-.00055	.00025-.00035
	In rod	None		
Direction & amount offset in piston	(d)	On center	(d)	On center

ENGINE - CONNECTING RODS

Material	Drop forged steel			High alloy ste.
Weight (oz.)			27.84	27.84
Length (center to center)	5.699-5.701		6.130-6.140	
Bearing	Material & Type	Premium aluminum		
	Overall length	.797	.857	
	Clearance (limits)	.0007-.0027	.0009-.0029	.0014-.00
	End play	.009-.013	.016-.020	

(a) Upper .0775-.0780; lower .0770-.0775

(b) Upper .0770-.0775; lower .0775-.0780

(c) Upper .010-.020; lower .013-.025

(d) Major thrust side .055-.065

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		327 Cu. In. V-8		427 Cu. In. V-8		
MODEL	19400	300 HP Standard	350 HP Opt. (L79)	390 HP Opt. (L36)	400 HP Opt. (L68)	425 HP Opt. (L7)

ENGINE - CRANKSHAFT

Material		Cast nodular iron	Forged steel		
Vibration damper type		Rubber mounted inertia			
End thrust taken by bearing (No.)		Five			
Crankshaft end play		.002 - .006	.006 - .010		
Main bearing	Material & type		Premium aluminum except No. 5 is sintered copper nickel backed babbitt		
	Clearance		(a)	(b) (c)	
	Journal dia. and bearing overall length	No. 1	2.4502 x .752	2.7507 x .992	2.7505 x .992
		No. 2	2.4505 x .752	2.7507 x .992	2.7505 x .992
		No. 3	2.4505 x .752	2.7505 x .992	2.7505 x .992
		No. 4	2.4505 x .752	2.7505 x .992	2.7505 x .992
		No. 5	2.4507 x 1.177	2.7506 x 1.2525	2.7506 x 1.2525
		No. 6	None		
		No. 7	None		
Dir. & amt. cyl. offset		None			
Crankpin journal diameter		2.099 - 2.100	2.199 - 2.200		

ENGINE - CAMSHAFT

Location	In block above crankshaft		
Material	Cast alloy iron		
Bearings	Material	Steel backed babbitt	
	Number	5	
Type of Drive	Gear or chain	Chain	
	Crankshaft gear or sprocket material	Steel sprocket	
	Camshaft gear or sprocket material	Cast alloy iron	Cast aluminum
	Timing chain	No. of links	46 50
		Width	.740 .740
		Pitch	.500 .500

ENGINE - VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)	Standard	N.A.
Valve rotator, type (intake, exhaust)	None	
Rocker ratio	1.50:1	1.70:1
Operating tappet clearance (indicate hot or cold)	Intake	Zero .024
	Exhaust	Zero .028

(Continued)

(a) No. 1, .0008 - .0020; No. 2, 3, & 4, .0008 - .0024; No. 5, .0015 - .0031

(b) No. 1 & 2, .0010 - .0020; No. 3 & 4, .0013 - .0025; No. 5, .0015 - .0031

(c) No. 1, 2, 3 & 4, .0013 - .0025; No. 5, .0015 - .0031

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 MAKE OF CAR CORVETTE MODEL YEAR 1968 DATE ISSUED 10/15/67 REVISED (a)

MODEL	19400	327 Cu. In. V-8		427 Cu. In. V-8		
		300HP Standard	350HP Opt. (L79)	390HP Opt. (L36)	400HP Opt. (L68)	435HP Opt. (L71)

ENGINE - VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (*BTC)	28°	40°	40°	44°	
		Closes (*ABC)	72°	86°	80°	97°	
		Duration - deg.	280°	306°	300°	316°	
	Exhaust	Opens (*BBC)	78°	88°	88°	86°	
		Closes (*ATC)	30°	38°	32°	36°	
		Duration - deg.	288°	306°	300°	302°	
Valve opening overlap		58°	78°	72°	80°		
Intake	Material		Alloy steel; aluminized face; also chrome flash stem on L71 & L79				
	Overall length		4.870 - 4.889		5.215 - 5.235		5.204-5.22
	Actual overall head dia.		1.935-1.945	2.017-2.023	2.060 - 2.070		2.185-2.19
	Angle of seat & face		46° (seat) 45° (face)				
	Seat insert material		None				
	Stem diameter		.3410-.3417		.3715-.3722		
	Stem to guide clearance		.0010-.0027				
	Lift (@ zero lash)		.3900	.4472	.4614		.5197
	Outer spring press. & length	Valve closed (lb.@in.)	76-84 @ 1.70		94-106 @ 1.88		
		Valve open (lb.@in.)	194-206 @ 1.25		303-327 @ 1.38		
	Inner spring press. & length	Valve closed (lb.@in.)	Spring damper				
		Valve open (lb.@in.)	Spring damper				
Exhaust	Material		High alloy steel; aluminized face; also chrome flash stem on L71				
	Overall length		4.913-4.933	4.891-4.910	5.345-5.365		7/8 L79
	Actual overall head dia.		1.495-1.505	1.595-1.605	1.715-1.725		
	Angle of seat & face		46° (seat) 45° (face)				
	Seat insert material		None				
	Stem diameter		.3410-.3417		.3713-.3720		
	Stem to guide clearance		.0010-.0027		.0015-.0032		
	Lift (@ zero lash)		.4100	.4472	.4800		.5197
	Outer spring press. & length	Valve closed (lb.@in.)	76-84 @ 1.70		94-106 @ 1.88		
		Valve open (lb.@in.)	194-206 @ 1.25		303-327 @ 1.38		
	Inner spring press. & length	Valve closed (lb.@in.)	Spring damper				
		Valve open (lb.@in.)	Spring damper				

ENGINE - LUBRICATION SYSTEM

Type of lubrica- tion (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Centrifugally oiled from front camshaft bearing
	Cylinder walls	Pressure; jet cross sprayed

(Continued)

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		327 Cu.In. V-8		427 Cu.In. V-8	
MODEL <u>19400</u>		300 HP Standard	350 HP Opt. (L79)	390 HP Opt. (L36)	400 HP Opt. (L68)
				435 Opt.	

ENGINE - LUBRICATION SYSTEM (cont.)

Oil pump type	Gear	
Normal oil pressure (lb. engine rpm) (A)	30-45 PSI @ 1500	50-75 PSI @ 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)	Element	
Capacity of c/case, less filter-refill (qt.)	4	5
Oil grade recommended (SAE viscosity and temperature range)	32° F and above - SAE 20W, SAE 10W-30	
	0° F to 32°F* - SAE 10W or SAE 10W-30	
	Below 0° F - SAE 5W or SAE 5W-20	
	*(SAE 5W-30 may be used at temperatures below f	
Engine Service Reqmt. (MM, MS, etc.)	MS or DG	

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 thick.)	Branch	2.50 x .072-.092
	Main	2.50 x .084-.104 (laminated)
Tail pipe dia. (O.D. & wall thickness)	2.62 x .062-.072	

ENGINE - CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Induction system	
	Optional		
Control Unit	Make and model	AC Spark Plug 6424251 (327 cu.in); 6424250 (396 & 427 c	
	Location	Left front of rocker cover	
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold vacuum	
	Control method (variable orifice, fixed orifice, other)	Variable orifice	
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Intake manifold	
	Air inlet (breather cap, carburetor air cleaner, other)	Carburetor air cleaner	
	Flame arrester (screen, check valve, other)	Screen	

A-Bench test - no flow conditions

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MODEL <u>19400</u>		327 Cu. In. V-8 300 HP Standard		350 HP Opt. (L79)		427 Cu. In. V-8 390 HP Opt. (L36)		
						400 HP Opt. (L68)		
						435 HP Opt. (L71)		
ENGINE - EXHAUST EMISSION CONTROL		Man. Auto.		Manual		Man. Auto.		
						Manual		
Type (Air injection, engine modifications, other)		MANUAL TRANSMISSION - Air injection reactor equipment						
		AUTOMATIC TRANSMISSION - Controlled combustion system						
Air Injection Pump *	Type	Semi-articulated vane type						
	Displacement	19.3						
	Drive ratio	1.15:1						
	Drive type	Crankshaft pulley						
	Relief valve (type)	Diverter valve						
Air Injection System *	Filter (describe)	Pressure (plate type)						
		Centrifugal air cleaner						
	Air distribution (head, manifold, etc.)	Manifold						
	Point of entry	Exhaust ports						
	Injection tube I.D.	.2565						
Carburetor	Check valve type	Pressure (plate type)						
	Backfire protection (type)	Diverter valve						
	Make	Rochester						
	Model	(a)	(b)	7028209	(c)	(d)	(e)	(f)
	Barrel size	(c)						
Idle speed	Drive	-	600	-	-	600	-	600
	Neutral	700	-	750	700	-	750	-
	Idle A/F mixture	Not specified						
Distributor	Aux. Adv. Systems (type)	None						
	Make	Delco-Remy						
	Model	1111194	1111438	1111293		1111296		
	Cent'gal adv. in crank degrees @ eng. rpm	Start (rpm)	900	950	900		900	
		Intermed. points deg. @ rpm	15@1500	20@1800	17@2000		None	
		Max. deg. @ rpm	30@5100	30@4700	32@5000		30@3800	
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)	6.00	6.00	7.00		8.00	
		Intermed. points deg. @ in. Hg	None					
		Max. deg. @ in.	15 @ 12	15 @ 15.5	12 @ 12		15 @ 15.5	
	Vacuum Source	Carburetor						
Timing - Crank degrees @ rpm	4BTC at idle							
Cooling System (describe changes)	None							
Exhaust System (describe changes)	None							

* - Used with manual transmissions only.

(a) 7028207 (c) 7028209 (e) 3925517 Primary; 3902353 Secondary
 (b) 7028208 (d) 7028216 (f) 3925516 Primary; 3902353 Secondary

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MODEL	19400	300 HP Standard	350 HP Opt. (79)	390 HP Opt. (L36)	400 HP Opt. (L68)	435 HP Opt. (L71)	

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.)	20 (approximately)	
	Filler location	Center at rear deck	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Lower right front of engine	
	Pressure range	5.00 - 6.50 PSI	
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Fine mesh plastic strainer in gas tank	
	Locations	and paper filter in carburetor inlet	
	Choke type	Automatic	
	Intake manifold heat control (exhaust or water)	Exhaust	
Carburetor	Air cleaner type	Standard	Oil-wetted paper element
		Optional	Polyurethane
	Idle speed (spec. manual or drive)	Manual	700
		Automatic	600
	Idle A/F mix.		750

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Bore Size
			Make	Model		
19400	327	3-spd & 4-spd	Rochester	7028207	One; 4-Bbl down-draft	1.38 (primary) 2.25 (secondary)
	300 hp	Turb Hyd-Mtc.	Rochester	7028208		
	327	4-Speed	Rochester	7028219		
	350 hp	4-Speed	Rochester	7028209		
	390 hp	Turb Hyd-Mtc.	Rochester	7028216		
	427	4-Speed	Holley	3925517 (primary) 3902353 (secondary)	Three; 2-Bbl (1-prim) (2-sec)	1.50 (primary) 1.75 (secondary)
	400 hp	Turbo Hydra-Matic	Holley	3925516 (primary) 3902353 (secondary)		
	427	4-Speed	Holley	3925517 (primary) 3902353 (secondary)		
	435 hp					

MAKE OF CAR CORVETTE MODEL YEAR 1968 DATE ISSUED 10/15/67 REVISED ^(a)

MODEL 19400 327 Cu. In. V-8 300 HP Standard 350 HP Opt. (L.79) 427 Cu. In. V-8 390 HP Opt. (L.36) 400 HP Opt. (L.68) 435 HP Opt. (L.71)

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure with surge tank		Pressure		
Radiator cap relief valve pressure				15 ± 1 PSI		
Circulation thermostat	Type (choke, bypass)			Choke		
	Starts to open at (°F)			192°-198°		
Water pump	Type (centrifugal, other)			Centrifugal		
	GPM @ 1000 pump rpm	57 @ 4400		82 @ 5200		
	Number of pumps			One		
	Drive (V-belt, other)			V-Belt		
	Bearing type			Double row ball		
By-pass recirculation type (inter., ext.)		Internal		External		
Radiator core type (cellular, tube and fin, other)				Cross flow		
Cooling system capacity	With heater (qt.)	15		22		
	Without heater (qt.)	14		21		
	Opt. equipment-specify (qt.)					
Water jackets full length of cyl. (yes, no)				Yes		
Water all around cylinder (yes, no)				Yes		
Radiator hose	Lower	Number and type (molded, straight)	One, molded			
		Inside diameter	1.75		1.88	
	Upper	Number and type (molded, straight)	One, molded			
		Inside diameter	1.50			
	By-pass	Number and type (molded, straight)	None	One, molded		
		Inside diameter	None	.725-.765		
	Fan	Number of blades & spacing		5-staggered		
		Diameter		17.50		
Ratio-fan to crankshaft rev.		.949:1				
Fan cutout type		Thermo-modulated-viscous coupling				
Bearing type		Double row ball				
* Drive belts (indicate belt used by letter)	Fan	A	EF	JF		
	Generator or alternator	A	E	J		
	Water Pump	A	EF	JF		
	Power Steering	B	G	G	G	NA
	Air Conditioning	C	H	K	K	NA
	Air Injection Pump	D	I	I	I	I

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	←				38°—42°						
Nominal length (SAE)	53.25	36.25	57.50	34.00	54.00	34.40	45.00	56.75	33.50	56.00	45.7
Width	←					.380					

AMA Specifications—Passenger Car

MAKE OF CAR		CORVETTE		MODEL YEAR		1968		DATE ISSUED		10/15/67		REVISED (a)	
MODEL		19400		327 Cu. In. V-8				427 Cu. In. V-8					
				300HP Standard		350HP Opt. (L79)		390HP Opt. (L36)		400HP Opt. (L68)		435HP Opt. (L	

ELECTRICAL - SUPPLY SYSTEM

Battery	Make and Model		Delco-Remy 1980087				
	Voltage Rtg. & Total Plates		12 volt-78 plate				
	SAE Designation & Amp. Hr. Rtg.		62 amp/hr @ 20 hr. rate				
	Location		Behind driver seat in stowage compartment				
	Terminal grounded		Negative				
Generator or Alternator	Make		Delco-Remy				
	Model		1100696				
	Type and rating		Diode rectified 9-37 amps.				
	Output at engine idle (neutral)		13 amps	22 amps	16 amps	24 amp	
	Ratio-Gen. to Cr/s rev.		2.46:1				
Regulator	Make		Delco-Remy				
	Model		1119515				
	Type		Vibrator				
	Cutout relay	Closing voltage + generator rpm	None				
		Reverse current to open	None				
	Regu- lated	Voltage	13.8-14.8 @ 85° F				
		Current	-				
	Voltage test conditions	Temperature	Operating				
		Load	3-8 amperes				
		Other	None				

ELECTRICAL - STARTING SYSTEM

Starting Motor	Make		Delco-Remy				
	Model		1108361		1107365		
	Rotation (drive end view)		Clockwise				
Motor control	Switch (solenoid, manual)		Solenoid				
	Starting procedure		3-Spd & 4-Spd-Place gearshift lever in neutral and depress AUTOMATIC-Place control lever in "N" or "P" position INITIAL START-Press accelerator to floor and release. ignition to START, release as soon as engine starts.				
	Engagement type		Position shift solenoid				
Motor Drive	Pinion meshes (front, rear)		Rear				
	Number of teeth	Pinion	9				
		Flywheel					
		Manual	153		168		
		Auto.	153	NA	168	NA	
	Flywheel tooth face width		Manual	.4010-.4130	.4100-.4220		
			Auto.	.4010-.4130	.4100-.4220	NA	

AMA Specifications—Passenger Car

MAKE OF CAR CORVETTE MODEL YEAR 1968 DATE ISSUED 10/15/67 REVISED ^(a)

MODEL	19400	327 Cu. In. V-8		427 Cu. In. V-8		
		300 HP Standard	350 HP Opt. (L79)	390 HP Opt. (L36)	400 HP Opt. (L68)	435 HP Opt. (L7

ELECTRICAL - IGNITION SYSTEM

Type	Conventional - Std., Opt., N.A.		Standard		NA	
	Transistorized - Std., Opt., N.A.		NA	Optional	Standard	
	Other (specify)		None			
Coil	Make					
	Model		1115270	1115287		
	Amps	Engine stopped	4.0			
		Engine idling	1.8			
Distributor	Make		Delco-Remy			
	Model		1111194	1111438	1111293	1111296
	Cent'gal adv. in c/shaft degrees@ engine rpm (nominal)	Start (rpm)	900	950	900	900
		Intermediate points deg.@rpm	15@1500	20@1800	17@2000	None
		Max. deg.@rpm	30@5100	30@4700	32@5000	30@5800
	Vacuum adv. in c/shaft degrees@ in. Hg. (nominal)	Start (in. Hg.)	6.00	6.00	7.00	8.00
		Intermediate points, deg.@in. Hg.				
		Max. deg. in. Hg.	15 @ 12	15 @ 15.5	12 @ 12	15 @ 15.
	Breaker gap (in.)		.019			Magnetic
	Cam angle (deg.)		28-32			Pulse
Breaker arm tension (oz.)		19-23	28-32		amplified	
Timing	Crankshaft deg.@rpm		4BTC at idle			
	Mark location		Torsional damper			
Spark Plug	Make		AC Spark Plug			
	Model		AC44	AC43N		
	Thread (mm)		14			
	Tightening torque (lb. ft.)		25			
	Gap		.033-.038			
Cable	Conductor type		Linen core impregnated with electrical conducting			
	Insulation type		Rubber with neoprene jacket			
	Spark plug protector		Hypalon jacket			

ELECTRICAL - SUPPRESSION

Locations & type	Non-metallic, high tension ignition
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AMA Specifications—Passenger Car

MAKE OF CAR		CORVETTE		MODEL YEAR		1968		DATE ISSUED		10/15/67		REVISED (a)	
MODEL	19400	327 Cu. In. V-8				427 Cu. In. V-8							
		300 HP Standard		350 HP Opt. (L79)		390 HP Opt. (L36)		400 HP Opt. (L68)		435 HP Opt. (L71)			

ELECTRICAL - INSTRUMENTS AND EQUIPMENT

Speedometer	Type	Dial
	Trip odometer (yes, no)	Yes
Charge indicator - type		Ammeter
Temperature indicator - type		Electric gauge
Oil pressure indicator - type		Bourdon tube gauge
Fuel indicator - type		Electric gauge
Other		Mechanical tachometer
Wind-shield wiper	Type - Standard	Electric two-speed
	Type - Optional	None
Wind-shield washer	Type - Standard	Push-button
	Type - Optional	None
Horn	Type	Vibrator
	Number used	Two
	Amp draw (each)	(low note) 4.5-6.5 @ 12.5V. (Hi note) 4.2-6 @ 12.5V.

DRIVE UNITS - CLUTCH (Manual Transmission)

Make & type		3 & 4-Spd	4-Speed		
Type pressure plate springs		Chevrolet, single dry disc, semi-centrifugal			
Total spring load (lb.)		2100-2300	2300-2600	2450-2750	2600-2800
No. of clutch driven discs		One			
Clutch facing	Material	Premium grade woven type asbestos			
	Outside & inside dia.	10.34 & 6.50		11.00 & 6.50	
	Total eff. area (sq. in.)	101.54		123.70	
	Thickness	.135 each			
	Engagement cushioning method	Flat spring steel between cushions			
Release bearing	Type & method of lubrication	Single row ball, packed and sealed			
Torsional damping	Methods: springs, friction material	Coil springs			

AMA Specifications—Passenger Car

MAKE OF CAR	CORVETTE	MODEL YEAR	1968	DATE ISSUED	10/15/67	REVISED (a)	
			327 Cu. In. V-8			427 Cu. In. V-8	
MODEL		300 HP	350 HP	390 HP	400 HP	435 HP	
		Standard	Opt. (L79)	Opt. (L36)	Opt. (L68)	Opt. (L71)	

DRIVE UNITS – TRANSMISSIONS

Manual 3-speed (std. or opt.)	Standard available with 327 Cu. In. 300 HP only
Manual 4-speed (std. or opt.)	Optional
Manual with overdrive (std. or opt.)	Not available
Automatic (std. or opt.)	Turbo Hydra-Matic optional with 300 HP (std) 390 HP (L3

DRIVE UNITS – MANUAL TRANS.

& 400 HP (L68) only

		3-Speed(a)	4-Speed(b)	4-Speed(c)
Number of forward speeds		3	4	4
Transmission ratios	In first	2.54:1	2.52:1	2.20:1
	In second	1.50:1	1.88:1	1.64:1
	In third	1.00:1	1.47:1	1.27:1
	In fourth	--	1.00:1	1.00:1
	In reverse	2.63:1	2.59:1	2.26:1
Synchronous meshing, specify gears		All forward gears		
Shift lever location		Floor mounted		
Lubricant	Capacity (pt.)	3		
	Type recommended	Meeting Military specs. MIL-L-2105B		
	SAE viscosity number	SAE 80		
	Summer	SAE 80		
	Winter	SAE 80		
	Extreme cold	SAE 80		

DRIVE UNITS – MANUAL TRANS. W/OVERDRIVE

(For transmission data see manual transmission section)

Type (planetary or other)			
Manual lockout (yes, no)	NOT		
Downshift accelerator control (yes, no)			
Minimum cut-in speed	AVAILABLE		
Gear ratio			
Lubricant	Capacity (pt.) (Overdrive only)		
	Separate filler (yes, no)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

(a) Available with 327 Cu. In. 300 HP (Std.) only

(b) Available with all engine combinations except 427 Cu. In. 435 HP (L71)

(c) Available with all engine combinations except 327 Cu. In. 300 HP (Std.)

AMA Specifications—Passenger Car

MAKE OF CAR CORVETTE MODEL YEAR 1968 DATE ISSUED 10/15/67 REVISED ^(a)MODEL 19400 327 Cu.In. | 427 Cu.In.

DRIVE UNITS—AUTOMATIC TRANSMISSION Available with 327 Cu.In. 300 HP (Std.) & 427 Cu.In. 390 HP (L36) & 400 HP (L68) only

Trade name	Turbo Hydra-Matic	
Type describe	Torque converter with planetary gears	
Selector location	Lever (floor mounted)	
List gear ratios Selector Pattern and indicate which are used in each selector position	P - Park R - 2.08 N - Neutral D - 2.48-1.48-1.00 L ₂ - 2.48-1.48 L ₁ - 2.48	
Max. upshift speed—drive range	51(1-2); 95(2-3)	51(1-2); 90(2-3)
Max. kickdown speed—drive range	44(2-1); 88(3-2)	40(2-1); 84(3-2)
Torque converter	Number of elements	3
	Max. ratio at stall	2.30
	Type of cooling (air, liquid)	Water
Lubricant	Nominal diameter	12.20
	Capacity—refill (pt.)	8
	Type recommended	A suffix A
Special transmission features		

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.	2.00 x 29.90 x .095
	Manual 4-speed trans.	2.00 x 29.90 x .095
	Overdrive transmission	Not available
	Automatic transmission	2.00 x 29.50 x .095

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

(Continued)

MAKE OF CAR CORVETTE MODEL YEAR 1968 DATE ISSUED 10/15/67 REVISED (a)

MODEL _____

DRIVE UNITS — PROPELLER SHAFT (cont.)

Inter- mediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting, prepack)		- - -
Slip Yoke	Type		Yoke
	Number of teeth		27
	Spline O.D.		1.1750
Universal joints	Make and Mfg. No.		Chevrolet, 3868728
	Number used		Two
	Type (ball and trunnion, cross)		Cross
	Rear attach. (u-bolt, clamp, etc.)		V-Belt
	Bearing	Type (plain, anti-friction)	Anti-friction
		Lubric. (fitting, prepack)	Prepack
Drive taken through (torque tube or arms, springs)			Torque control arms
Torque taken through (torque tube or arms, springs)			Torque control arms

DRIVE UNITS — AXLE

Type (front, rear)		Rear
Description		Semi-floating, overhung pinion gear
Limited Slip differential, type		Dual disc clutches
Drive Pinion Offset		1.5
No. of differential pinions		2
Pinion adjustment (shim, other)		None
Pinion bearing adj. (shim, other)		Shim
Wheel bearing type		Taper roller
Lubricant	Capacity (pt.)	3.7
	Type recommended	Meeting Military Specs MIL-L-2105-B
	SAE vis- cosity number	Summer SAE 80
		Winter SAE 80
		Extreme cold SAE 80

AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		2.73	3.08	3.36	3.55	3.70	4.11
No. of teeth	Pinion	15	12	11	9	10	9
	Ring gear	41	37	37	32	37	37
Ring Gear O.D.		8.375					

AMA Specifications—Passenger Car

NAME OF CAR CORVETTE MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED (a)

MODEL 19400

DRIVE UNITS - WHEELS

Type & material	Short spoke disc steel	
Rim (size & flange type)	Std.	15 x 7 JK
	Opt.	None
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.75
	Number and size	5 Hex nuts 7/16-20 UNF 2-B

MODEL 19400

DRIVE UNITS - TIRES

Standard	Size, ply rating, & ply		F 70 x 15-2 ply (4 ply rating)
	Type (bias, radial, etc.)		Bias
	Full rated Inflation Press.	Front	24
		Rear	24
	Rev. Mile or 50 MPH		776
Optional	Size, ply rating, & ply		None

BRAKES - PARKING

Type of control	Grip handle control	
Location of control	Center of floor console	
Operates on	Rear wheels	
If separate from service brakes	Type (internal or external)	Internal
	Drum diameter	6.5
	Lining size (length x width x thickness)	6.78 x 1.25 x .175

AMA Specifications—Passenger Car

MAKE OF CAR CORVETTE MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED (a)MODEL 19400

BRAKES—SERVICE

Type (drum or disc)			Caliper disc, 4-wheel hydraulic			
Self adjusting (std., opt., N.A.)			Standard			
Power brake make & type (remote, int., etc.)	Std.		--			
	Opt.		Delco-Moraine vacuum power unit; integral			
Effective area (sq. in.)*			78.1			
Gross lining area (sq. in.)**			86.3			
Swept area (sq. in.)***			461.2			
Percent brake effectiveness - front			65			
Drum or Disc	Diameter (nominal)	Front	11.75 x 1.25			
		Rear	11.75 x 1.25			
	Type and material		Cast iron			
	Disc (vented or solid)		Vented			
No. pistons per caliper			4			
Wheel cylinder bore	Front		1.875			
	Rear		1.375			
Master Cylinder	Bore		1.00			
	displacement distribution	Front %	65			
		Rear %	35			
Brk. valve	Type (proportion, delay, metering, other)		Check valve			
Pedal arc ratio			4.52			
Line pressure at 100 lb. pedal load			576			
Shoe clearance adjustment			Self-adjusting			
Brake lining	Drum or Disc		Disc			
	Bonded or riveted		Riveted			
	Front Wheel	Material		Woven asbestos		
		Size (length x width x thickness)	Prim. or out-board	5.96 x 2.21 x .41		
			Second. or in-board	5.96 x 2.21 x .41		
		Segments per shoe		One		
	Rear Wheel	Material		Woven asbestos		
		Size (length x width x thickness)	Prim. or out-board	5.96 x 2.21 x .41		
			Second. or in-board	5.96 x 2.21 x .41		
		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.)

AMA Specifications—Passenger Car

MAKE OF CAR CORVETTE MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED (a)MODEL 19400

STEERING

Manual (std., opt., NA)				Standard	
Power (std., opt., NA)				--	
Adjustable steering wheel (tilt, swing, other)		Type and description (std., opt., NA)		Telescopic steering column; 3" adjustment	
				Optional	
Wheel diameter		Manual		16.0	
		Power		16.0	
Turning diameter (feet)	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 whl. angle with inside whl. at 20°				18.47	
Manual	Gear	Type		Semi-reversible, recirculating ball nut	
		Make		Saginaw	
		Ratios	Gear	16.0:1	
			Overall	20.2:1	
	No. wheel turns		3.4		
Power	Type (coaxial, linkage, etc.)				
	Make		Not		
	Gear	Type	--		
		Ratios	Gear	--	
			Overall	Available	
	Pump driven by		--		
Number wheel turns		--			
Linkage	Type		Parallelogram		
	Location (front or rear of wheels, other)		Rear		
	Drag link (trans. or longit.)		None		
	Tie rods (one or two)		Two		
Steering Axis	Inclination at camber (deg.)		6-1/2 to 7-1/2		
	Bearings (type)	Upper	Ball stud with non-metallic bearing surface		
		Lower	Ball stud with non-metallic bearing surface		
		Thrust	None		
Whl. Align. (range at curb wtl. & preferred)	Caster (deg.)		P1/2 to P1-1/2		
	Camber (deg.)		P1/4 to P1-1/4 (a)		
	Toe-in (outside track inches)		3/32 to 5/32 (a)		
Steering spindle & joint type				Steering knuckle with spherical joint	
Wheel Spindle	Diameter	Inner bearing		1.2493-1.2498	
		Outer bearing		.7492-.7497	
	Thread size		3/4-20 NEF - 3 (Modified)		
	Bearing type		Taper roller		

(a) Rear wheel alignment: N 1-3/8 to N 3/8

Toe-In 1/32 to 3/32

AMA Specifications—Passenger Car

MAKE OF CAR CORVETTE MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED (*)

MODEL 19400 12400

SUSPENSION—GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling	Front stabilizer bar
Provision for brake dip control	Mounting angle of front upper control arm
Provision for acc. squat control	None
Special provisions for car jacking	Front: 5" forward of front edge of door opening, under frame. Rear: 3" forward of wheel opening, under frame.
Shock absorber	Direct, double acting hydraulic
front & rear	Delco
Piston dia.	1.00
Other special features	

SUSPENSION—FRONT

Type and description	Independent: SLA type with coil spring and concentric shock absorber, and spherically-jointed steering knuckle for each wheel
Spring	Coil
Type	Steel alloy
Material	9.99 x 3.80
Size (coil design height & I.D.; bar length x dia.)	138.75 x .618
Spring rate (lb. per in.)	284
Rate at wheel (lb. per in.)	
Stabilizer	Link
Type (link, linkless, frameless)	Steel .9375
Material & bar diameter	

SUSPENSION—REAR

Type and description	(A)
Drive and torque taken through	Torque control arms
Spring	Multi-leaf
Type	Chrome carbon steel
Material	46.36 x 2.25
Size (length x width, coil design height & I.D.; bar length & dia.)	140
Spring rate (lb. per in.)	123
Rate at wheel (lb. per in.)	Rubber mounted at differential; Vertical loading only at shackles
Mounting insulation type	9
If leaf	No. of leaves
Shackle (comp. artens.)	Tension
Stabilizer	Link
Type (link, linkless, frameless)	.562
Material	None
Track bar type	

A—Full independent with fixed differential, transverse multi-leaf spring, lateral struts and universally-jointed axle shafts

AMA Specifications—Passenger Car

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MAKE OF CAR CORVETTE MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED (a)

MODEL	19437	19467

CONVENIENCE EQUIPMENT

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

[illegible]

LAMP HEIGHT AND SPACING

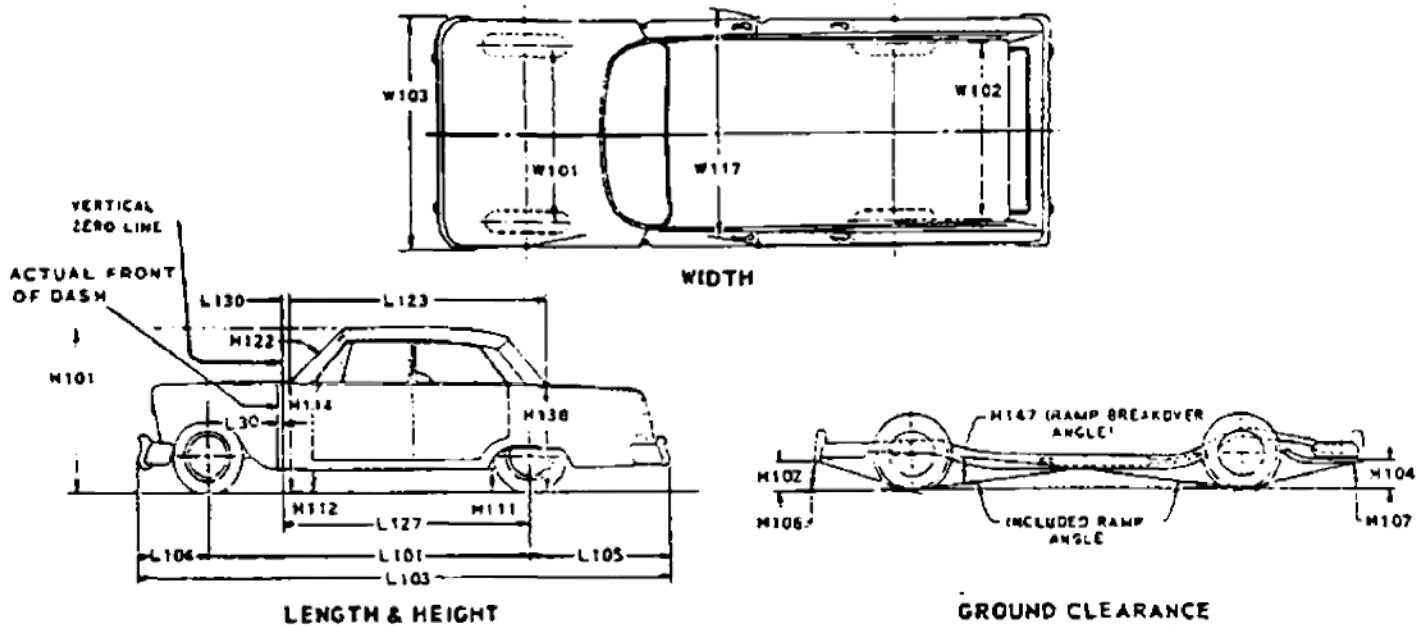
Height above ground to center of bulb or marker	Headlamp	Highest "	17.5
		Lowest	
	Tail	Highest	25.7
		Lowest	
	Sidemarker	Front	
		Rear	
Distance from C/L of car to center of bulb	Headlamp	Inside	
		Outside "	
	Tail	Inside	
		Outside	
	Directional	Front	
		Rear	

* If single headlights are used enter here.

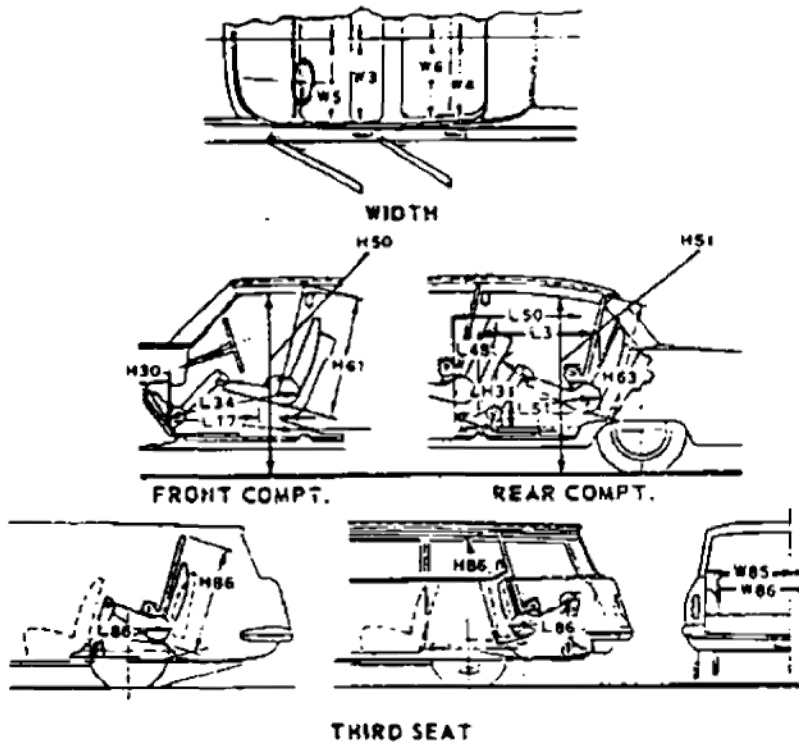
CAR AND BODY DIMENSIONS

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. This dimension may be determined by calculation (see Design Standard DD 0.00 - 108) or graphically for reporting purposes.
 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 tire and tools in place, determined in accordance with the Passenger Car Luggage Space Standard, DD 0.00 - 105.
 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 wheelhouseings 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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