

AMA Specifications—Passenger Car

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown below. This uniform specification form was developed by the automobile manufacturing companies under the auspices of the Automobile Manufacturers Association.

MANUFACTURER Chevrolet Motor Division General Motors Corporation	CAR NAME CAMARO
MAILING ADDRESS Chevrolet Owners Relation Dept. 1077 Argo "A", GM Bldg. Detroit, Mich. 48202	MODEL YEAR 1968
	ISSUED 10-15-67
	REVISED (•)

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.

TABLE OF CONTENTS

Car & Body Dimensions 1,2	Drive Units 14	Suspensions 21
Engine - Mechanical 4	Brakes 18, 19	Weights 24
Electrical 12	Steering 20	Index 27

BODY - TYPES AND STYLE NAMES -	Body type, number of passenger & style names; use manufacturer's code for series & body style.		
	396 Cu. In. V8-350 HP <u>Optional (L34)</u>	396 Cu. In. V8-375 HP <u>Optional (L78)</u>	396 Cu. In. V8-375 HP <u>Optional (L89)</u>
2-Door Sport Coupe, 4-Passenger		12437	
2-Door Convertible, 4-Passenger		12467	

AMA Specifications—Passenger Car

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

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	SAE Ref. No.	SPORT COUPE	CONVERTIBLE
WIDTH			
Track - Front	W101	59.6	
Track - Rear	W102	59.5	
Maximum overall car width	W103	72.3	
Body width at No. 2 pillar	W117		
LENGTH			
Body "O" to front of dash	L 30		
Wheelbase	L 101	108.0	
Overall car length	L 103	184.6	
Overhang - front	L 104	36.6	
Overhang - rear	L 105	40.0	
Body upper structure length	L 123		
Body "O" line to \bar{C} of rear wheel	L 127	90.0	
Body "O" line to w/s cowl point	L 130		
HEIGHT			
Overall height	H101	50.9	
Cowl height	H114	35.3	
Deck height	H138		
Rocker panel - front	To ground	7.1	
	From front wheel \bar{C}		
Rocker panel - rear	To ground	8.1	
	From rear wheel \bar{C}		
Windshield slope angle	H122		
GROUND CLEARANCE			
Bumper to ground - front	H102	17.2	
Bumper to ground - rear	H104	17.0	
Angle of approach	H106	22	
Angle of departure	H107	19	
Ramp breakover angle	H147	13	
Min. running clearance (Specify)	H156	5.1 (Frame to Ground)	

AMA Specifications—Passenger Car

MAKE OF CAR CAMARO 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)

MODEL	SAE Ref. No.	SPORT COUPE	CONVERTIBLE
FRONT COMPARTMENT			
Effective head room	H61	37.0	37.5
Max. eff. leg room – accelerator	L34		42.5
H Point to Heel point	H30		7.7
H Point travel	L17		4.0
Shoulder room	W 3		56.7
Hip room	W 5		56.3
Upper body opening to ground	H50		46.6
REAR COMPARTMENT			
H Point couple distance	L50	27.1	27.4
Effective head room	H63	36.7	36.8
Min. effective leg room	L51	29.2	29.5
H Point to Heel point	H31		9.4
Min. knee room	L48		
Rear Compartment room	L 3		22.5
Shoulder room	W 4	53.6	47.3
Hip room	W 6	54.6	47.5
Upper body opening to ground	H51	--	--
LUGGAGE COMPARTMENT			
Usable luggage capacity	V 1	8.3	6.0
Liftover height	H195		30.0
Position of spare tire storage			
Method of holding lid open			
STATION WAGON – THIRD SEAT			
Shoulder Room	W85		
Hip room	W86		NOT
Effective leg room	L86		
Effective head room	H86		AVAILABLE
Seat facing direction			
STATION WAGON – CARGO SPACE			
Cargo length at floor – front seat	L202		
Cargo length at belt – front seat	L204		NOT
Cargo width – wheelbase	W201		
Opening width at belt	W204		AVAILABLE
Maximum cargo height	H201		
Rear opening height	H202		
Cargo volume index (cu. ft.) W4 x L204 x H201 1728	V2		

AMA Specifications—Passenger Car

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

POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION *	AXLE RATIO ** (Std. first) (Indicate A/C ratio) *				
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP RPM	Torque RPM		A	B	C	D	
12437 & 12467	396 Opt (L34)	One; 4-bbl Down- draft	10.25:1	350 @ 5200	415 @ 3400	HD 3-Speed (2.41:1 low) and 4-Speed (2.52:1 low)	Base	3.31	3.07	3.55	3.73
							A/C	3.31	3.07	3.55	--
						4-Speed (2.20:1 low)	Base	3.31	3.07	3.55	4.10 4.56 4.88
							A/C	3.31	3.07	3.55	--
						Turbo Hydra- Matic	Base	3.07	2.73	3.31	3.55 3.73 4.10 4.56 4.88
	A/C	3.07	2.73	3.31	--						
	396 Opt (L78) & (L89)	One 4-bbl Down- draft	11.00:1	375 @ 5600	415 @ 3600	HD 3-Speed (2.41:1 low)	Base #	3.55	3.31	3.73	--
						4-Spd C. R. and 4-Spd HD (2.20:1 low)	Base #	3.55	3.31	3.73	3.07 4.10 4.56 4.88
							Base #	3.55	3.31	3.73	3.07 4.10 4.56 4.88
	A-Standard B-Economy C-Performance D-Special *-Optional **-Positraction required for 4.10, 4.56 and 4.88; available optionally for all other ratios. #-Air Conditioning not available.										

AMA Specifications—Passenger Car

MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED ^(*)
 12400
 MODEL 350 HP (L34) | 396 Cu. In. V-8 | 375 HP (L78) | 375 HP (L89)

ENGINE—GENERAL

Type, no. cyls., valve arr.	90° V-8 OHV		
Bore and stroke (nominal)	4.094 x 3.76		
Piston displacement, cu. in.	396		
Bore spacing (℄ to ℄)	4.84		
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)	10.25:1	11.00:1	
Cylinder Head Material	Cast alloy iron	Aluminum alloy	
Cylinder Block Material	Cast alloy iron		
Cyl. Sleeve-Wet,dry,none	None		
Number of mtg. points	Front	Two	
	Rear	One	
Engine installation angle	3°35'		
Taxable $\frac{\text{Dia}^2 \times \text{No. Cyl.}}{\text{horsepower}}$	2.5 53.6		
Publishing max. bhp* @ eng. RPM	350 @ 5200	375 @ 5600	
Publishing max. torque * (lb. ft. @ RPM)	415 @ 3400	415 @ 3600	
Recommended fuel regular - premium	Premium		

ENGINE—PISTONS

Material	Cast alum. alloy	Aluminum impact extruded	
Description and finish	Domed head, slipper skirt		
Weight (piston only) oz.	24.80	23.12	
Clearance (limits)	Top land	.0305-.0375	.0316-.0385
	Skirt	Top	.0010-.0016 (a)
		Bottom	.0036-.0044 (b)
Ring groove depth	No. 1 ring	.2253-.2318	.2278-.2343
	No. 2 ring	.2253-.2318	.2278-.2343
	No. 3 ring	.2098-.2163	.2128-.2143
	No. 4 ring		

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

(a) Measured 1.95 from top of piston

(b) Measured 2.25 from top of piston

AMA Specifications—Passenger Car

MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED (*)
 MODEL 350 HP (L34) | 396 Cu. In. V-8 | 375 HP (L78) | 375 HP (L89)
 12400

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, barrel face, molybdenum inlay
	Lower	Cast alloy iron, inside bevel & tapered face, chrome plated
	Width	.0770-.0775
	Gap	.010-.020
Oil	Description - material, coating, etc.	Multi-piece (Two rails and one spacer expander) Rails - steel chrome plated OD Expanders - stainless steel
	Width	.1870-.1890 (assembled)
	Gap	.010-.030
Expanders		In oil ring assembly

ENGINE – PISTON PINS

Material	Chromium Steel	
Length	2.930-2.950	
Diameter	.9895-.9898	
Type	Locked in rod, in piston, floating, etc.	Locked in rod
	Bush. In rod or piston	None
	ing Material	None
Clearance	In piston	.00025-.00035
	In rod	-
Direction & amount offset in piston		On center

ENGINE – CONNECTING RODS

Material	High alloy steel	
Weight (oz.)	27.84 24.67	
Length (center to center)	6.130-6.140	
Bearing	Material & Type	Premium aluminum
	Overall length	.857
	Clearance (limits)	.0009-.0029
	End play	.016-.020

AMA Specifications—Passenger Car

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

12400

396 Cu. In. V-8

MODEL 350 HP (L34) | 375 HP (L78) | 375 HP (L89)

ENGINE - CRANKSHAFT

Material		Forged steel		
Vibration damper type		Rubber mounted inertia		
End thrust taken by bearing (No.)		5		
Crankshaft end play		.006-.010		
Main bearing	Material & type	Steel, backed insert bearing material-copper lead alloy or premium aluminum - for intended engine operation and application		
	Clearance	#1-2-(.0010-.0022) 3 & 4-(.0013-.0025) #5-(.0015-.0031)		
	Journal dia. and bearing overall length	No. 1	2.7507 x .992	2.7502 x .992
		No. 2	2.7507 x .992	2.7502 x .992
		No. 3	2.7505 x .992	
		No. 4	2.5705 x .992	
		No. 5	2.7506 x 1.252	
		No. 6	None	
No. 7		None		
Dir. & amt. cyl. offset		None		
Crankpin journal diameter		2.199 x 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		
	Timing chain	No. of links	50	
		Width	.740	
Pitch		.500		

ENGINE - VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)		Standard	Not available
Valve rotator, type (intake; exhaust)		None	
Rocker ratio		1.70:1	
Operating tappet clearance (indicate hot or cold)	Intake	Zero	.024
	Exhaust	Zero	.028

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED (*)
 12400
 MODEL 350 HP (L34) | 396 Cu. In. V-8 | 375 HP (L78) | 375 HP (L89)

ENGINE – VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	40°	44°
		Closes (°ABC)	80°	92°
		Duration - deg.	300°	316°
	Exhaust	Opens (°BBC)	88°	86°
		Closes (°ATC)	32°	36°
		Duration - deg.	300°	302°
Valve opening overlap		72°	80°	
Intake	Material		Alloy steel, face & head aluminized	
	Overall length		5.215-5.235	5.204-5.224
	Actual overall head dia.		2.060-2.070	2.185-2.195
	Angle of seat & face		46° (seat 45° (face))	
	Seat insert material		None	
	Stem diameter		.3715-.3722	
	Stem to guide clearance		.0010-.0027	
	Lift (@ zero lash)		.4614	.5197
	Outer spring press. & length	Valve closed (lb. @ in.)	94-106 @ 1.88	
		Valve open (lb. @ in.)	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, face & head aluminized
Overall length		5.345-5.365		
Actual overall head dia.		1.715-1.725	1.835-1.845	
Angle of seat & face		46° (seat) 45° (face)		
Seat insert material		None		
Stem diameter		.3713-.3720		
Stem to guide clearance		.0015-.0032		
Lift (@ zero lash)		.4800	.5197	
Outer spring press. & length		Valve closed (lb. @ in.)	94-106 @ 1.88	
		Valve open (lb. @ in.)	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 camshaft bearing
	Cylinder walls	Pressure jet cross sprayed

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED (*)
 MODEL 350 HP (L34) | 12400 | 396 Cu. In. V-8 | 375 HP (L89)

ENGINE – LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. engine rpm)	50-75 psi @ 2000 (a)
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 oil case, less filter-refill (qt.)	4
Oil grade recommended (SAE viscosity and temperature range)	32° and above - SAE 20W or 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 freezing)
Engine Service Reqmt. (MM, MS, etc.)	MS or DG

ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Dual exhaust & resonators; single muffler
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, w/two resonators
Exhaust pipe dia. (O.D., wall thick.)	Branch Front 2.25 x .073-.091 laminated Main Rear 2.25 x .073-.091 laminated
Tail pipe dia. (O.D. & wall thickness)	2.00 x .062-.076

ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard Optional	Ventilates to induction system None
Control Unit	Make and model	AC Spark Plug (6424250)
	Location	Left front 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

AMA Specifications—Passenger Car

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

MODEL 12400 396 Cu. In. V-8
 Manual 350 HP (L34) Automatic 375 HP (L78 & L89) Manual only

ENGINE - EXHAUST EMISSION CONTROL

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 cubic inches			
	Drive ratio	1.15:1			
	Drive type	Crankshaft pulley			
	Relief valve (type)	Pressure (plate type)			
Filter (describe)		Centrifugal air cleaner			
Air Injection System	Air distribution (head, manifold, etc.)	Manifold			
	Point of entry	Exhaust ports			
	Injection tube I.D.	.2565			
	Check valve type	Pressure (Plate type)			
	Backfire protection (type)	Diverter valve			
Carburetor	Make	Rochester		Holley	
	Model	7028217	7028218	3923289	
	Barrel size	1.38 (Prim); 2.25 (Sec)		1.56 (Prim. & Sec)	
	Idle speed	Drive	--	600	--
		Neutral	700	--	750
Idle A/F mixture		Not specified			
Aux. Adv. Systems (type)		None			
Distributor	Make	Delco Remy			
	Model	1111145	1111169	1111170	
	Cent'gal adv. in crank degrees @ eng. rpm	Start (rpm)	900		900
		Intermed. points deg. @ rpm	21 @ 2100	17 @ 2000	17 @ 2000
		Max. deg. @ rpm	36 @ 5000	32 @ 5000	32 @ 5000
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)	8.00		7.00
		Intermed. points deg. @ in. Hg	None		
		Max. deg. @ in.	15 @ 15.5		12 @ 12
Vacuum Source		Carburetor			
Timing - Crank degrees @ rpm (a)		TDC	4 BTC	4 BTC	
Cooling System (describe changes)		None			
Exhaust System (describe changes)		None			

(a) At Idle

AMA Specifications—Passenger Car

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

12400

MODEL 350 HP (L34) | 396 Cu. In. V-8 | 375 HP (L78) | 375 HP (L89)

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 (approximately)		
	Filler location	Center of rear end panel		
Fuel Pump	Type (elec. or mech.)	Mechanical		
	Locations	Lower right front of engine		
	Pressure range	7.25-8.50		
Vacuum booster (std., optional, none)		None		
Fuel Filter	Type	Fine mesh plastic strainer in gasoline tank and paper filter in carburetor inlet		
	Locations			
Choke type		Automatic		
Intake manifold heat control (exhaust or water)		Exhaust		
Carburetor	Air cleaner type	Standard	Oil wetted paper element	
		Optional		
	Idle speed (spec. neutral or drive)	Manual	700	750
		Automatic	600	
Idle A/F mix.		Not specified		

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
12400	396 Opt. (L34)	H. D. 3-Speed and 4-Speed Turbo Hydra-Matic	Rochester	7028217 7028218	One; 4-bbl Down-draft	1.38 (Prim) 2.25 (Sec)
		H. D. 3-Speed and 4-Speed	Holley	3923289	One; 4-bbl Down-draft	1.561 (Primary) & (Secondary)

AMA Specifications—Passenger Car

MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED (a)
 MODEL 12400
350 HP (L34) | 396 Cu. In. V-8 | 375 HP (L78) | 375 HP (L89)

ENGINE - COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		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	82 @ 5200	
	Number of pumps	One	
	Drive (V-belt, other)	V-belt	
Bearing type		Permanently lubricated double row ball	
By-pass recirculation type (inter., ext.)		Internal	External
Radiator core type (cellular, tube and fin, other)		Tube and center	
Cooling system capacity	With heater (qt.)	23	
	Without heater (qt.)	22	
	Opt. equipment-specify (qt.)	23	
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	1.88
	Upper	Number and type (molded, straight)	One, molded
		Inside diameter	1.50
	By-pass	Number and type (molded, straight)	One, molded
		Inside diameter	.725-.765
Fan	Number of blades & spacing		5, staggered
	Diameter		18.00
	Ratio-fan to crankshaft rev.		.949:1
	Fan cutout type		Thermo-nodulated-viscous coupling
	Bearing type		Double row ball
*Drive belts (indicate belt used by letter)	Fan	A	E
	Generator or alternator	A	E
	Water Pump	A	E
	Power Steering	B	B
	Air Conditioning	C	-
Air Injection Pump	D	D	

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V			38° - 42°								
Nominal length (SAE)	56.20	37.30	61.00	49.50	55.50						
Width				.380							

AMA Specifications—Passenger Car

MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED (e)
 MODEL 12400
350 HP (L34) | 396 Cu. In. V-8 | 375 HP (L78) | 375 HP (L89)

ELECTRICAL — SUPPLY SYSTEM

Battery	Make and Model		Delco-Remy 1980030
	Voltage Rtg. & Total Plates		12 volts 66 plates
	SAE Designation & Amp. Hr. Rtg.		61 amp hr. @ 20 hr. rate
	Location		Right side of engine compartment
	Terminal grounded		Negative
Generator or Alternator	Make		Delco-Remy
	Model		1100794 1100814
	Type and rating		Diode rectified 9-37 amps
	Output at engine idle (neutral)		13 amps
	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		1107365	
	Rotation (drive end view)		Clockwise	
Motor control	Switch (solenoid, manual)		Solenoid	
	Starting procedure		3 & 4-SPD- Place gearshift lever in neutral & depress clutch AUTOMATIC- Place gearshift lever in N or P position INITIAL START- Press accelerator to floor & release. Turn ignition to START, release as soon as engine starts	
Motor Drive	Engagement type		Positive shift solenoid	
	Pinion meshes (front, rear)		Rear	
	Number of teeth	Pinion	9	
		Flywheel	Manual	168
			Auto.	168
	Flywheel tooth face width	Manual	.4100-.4220	
Auto.		.4100-.4220		

AMA Specifications—Passenger Car

MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISION (*)
 12400

MODEL 350 HP (L34) | 375 HP (L78 & L8)
 396 Cu. In. V-8

ELECTRICAL – IGNITION SYSTEM

		Manual	Automatic	Manual	
Type	Conventional – Std., Opt., N.A.	Standard			
	Transistorized – Std., Opt., N.A.	N.A.			
	Other (specify)	None			
Coil	Make	Delco-Remy			
	Model	1115273			
	Amps	Engine stopped	4.0		
		Engine idling	1.8		
Distributor	Make	Delco Remy			
	Model	1111145	1111169	1111170	
	Cent'gal adv. in c/shaft degrees @ engine rpm (nominal)	Start (rpm)	900		900
		Intermediate points deg. @ rpm	20 @ 2100	17 @ 2000	17 @ 2000
		Max. deg. @ rpm	36 @ 5000	32 @ 5000	32 @ 5000
	Vacuum adv. in c/shaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	8.00		7.00
		Intermediate points, deg. @ in. Hg.	None		
		Max. deg. in. Hg.	15 @ 15.5		12 @ 12
	Breaker gap (in.)	.019			
	Cam angle (deg.)	28-32			
Breaker arm tension (oz.)	19-23				
Timing	Crankshaft deg. @ rpm	TDC	4 BTC	4 BTC	
	Mark location				
Spark Plug	Make	AC Spark Plug			
	Model	AC 43N			
	Thread (mm)	14			
	Tightening torque (lb. ft.)	25			
	Gap	.033-.038			
Cable	Conductor type	Linen core impregnated with electrical conducting mat'r			
	Insulation type	Rubber with neoprene jacket			
	Spark plug protector	Neoprene			

ELECTRICAL – SUPPRESSION

Locations & type | Non-metallic high ignition cables

AMA Specifications—Passenger Car

MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED (*)
 12400
 MODEL 350 HP (L34) 396 Cu. In. V-8 375 HP (L78) 375 HP (L89)

ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speed-ometer	Type	Dial
	Trip odometer (yes, no)	No
Charge indicator – type		Tell-Tale
Temperature indicator – type		Tell-Tale
Oil pressure indicator – type		Tell-Tale
Fuel indicator – type		Electric gauge
Other		Refer to page 23
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) 4.2-6.2 @ 12.5V

DRIVE UNITS – CLUTCH (Manual Transmission)

Make & type		3 & 4-Speed Chevrolet-Single dry disc; semi-centrifugal
Type pressure plate springs		Diaphragm, bent finger design
Total spring load (lb.)		2450-2750
No. of clutch driven discs		One
Clutch facing	Material	Premium grade woven asbestos
	Outside & inside dia.	11.0 & 6.50
	Total eff. area (sq. in.)	123.70
	Thickness	.140 each
	Engagement cushioning method	Flat spring steel between facings
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 CAMARO MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED ^(*) 12400
 MODEL 350 HP (L34) | 396 Cu. In. V-8 | 375 HP (L78) | 375 HP (L89)

DRIVE UNITS – TRANSMISSIONS

Manual 3-speed (std. or opt.)		H.D. 3-Speed
Manual 4-speed (std. or opt.)		Optional
Manual with overdrive (std. or opt.)		Not available
Automatic (std. or opt.)	Turbo Hydra-Matic	Not available

DRIVE UNITS – MANUAL TRANS.

		Applicable to all engines		
		3	4	4
		H.D. 3-Speed	4-Speed	4-Speed
Transmission ratios	In first	2.41	2.52	2.20
	In second	1.59	1.88	1.64
	In third	1.00	1.46	1.27
	In fourth	--	1.00	1.00
	In reverse	2.41	2.59	2.26
Synchronous meshing, specify gears		All forward gears		
Shift lever location		Floor		
Lubricant	Capacity (pt.)	3.5	3	
	Type recommended	Meeting Military Spec. MIL-L-2105B		
	SAE viscosity number	SAE 80		
		SAE 80		

DRIVE UNITS – MANUAL TRANS. W/OVERDRIVE

(For transmission data see manual transmission section)

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

AMA Specifications—Passenger Car

MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED (*)
 12400
 MODEL 350 HP (L34) | 396 Cu. In. V-8 | 375 HP (L78) | 375 HP (L89)

DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name	Turbo Hydra-Matic	
Type describe	Torque converter with planetary gears	
Selector location	Steering column (a)	NOT
List gear ratios Selector Pattern and indicate which are used in each selector position	P - Park R - Reverse N - Neutral L ₁ - 2.48 L ₂ - 2.48-1.48 D - 2.48-1.48-1.00	AVAILABLE
Max. upshift speed—drive range	50 (1-2); 88 (2-3)	
Max. kickdown speed—drive range	39 (2-1); 82 (3-2)	
Torque converter	Number of elements	3
	Max. ratio at stall	2.04
	Type of cooling (air, liquid)	Water
	Nominal diameter	12.20
Lubricant	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.	2.75 x 50.46 x .065
	Manual 4-speed trans.	Same as 3-Speed
	Overdrive transmission	Not available
	Automatic transmission	Same as 3-Speed

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

(Continued)

(a) Floor mounted with console available optionally

AMA Specifications—Passenger Car

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

MODEL 12400

DRIVE UNITS – PROPELLER SHAFT (cont.)

Intermediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	--
Slip Yoke	Type	Yoke
	Number of teeth	27
	Spline O.D.	1.502-1.503
Universal joints	Make and Mfg. No.	Chevrolet 3941935
	Number used	Two
	Type (ball and trunnion, cross)	Cross
	Rear attach. (u-bolt, clamp, etc.)	U-Bolt
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Prepack
Drive taken through (torque tube or arms, springs)		Leaf springs
Torque taken through (torque tube or arms, springs)		Leaf springs

DRIVE UNITS – AXLE

Type (front, rear)	Rear		
Description	Semi-floating, overhung pinion gear		
Limited Slip differential, type	Dual disc clutches		
Drive Pinion Offset	1.50		
No. of differential pinions	Two		
Pinion adjustment (shim, other)	None		
Pinion bearing adj. (shim, other)	Shim		
Wheel bearing type	Single row cylindrical roller		
Lubricant	Capacity (pt.)	3.5	
	Type recommended	Meeting Military Specs. - MIL-L-2105-B	
	SAE viscosity 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	3.07	3.31	3.55	3.73	4.10	4.56	4.8
No. of teeth	Pinion	15	14	13	11	11	10	9	8
	Ring gear	41	43	43	39	41	41	41	39
Ring Gear O.D.		8.875							

AMA Specifications—Passenger Car

MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISION (*)

MODEL _____

DRIVE UNITS—WHEELS

Type & material		short spoke disc, steel	
Rim (size & flange type)	Std.	14 x 6	
	Opt.	None	
Attachment	Type (bolt or stud)	Stud	
	Circle diameter	4.75	
	Number and size	5 hex nuts, 7/16-20 UNF-2B	

MODEL _____

DRIVE UNITS—TIRES

Standard	Size, ply rating, & ply		F70 x 14-2 ply (4 ply rating)
	Type (bias, radial, etc.)		Bias
	Full rated Inflation Press.	Front	24 lbs.
		Rear	28 lbs.
Rev./Mile at 50 MPH		815 RPM; F70 x 14	
Optional	Size, ply rating, & ply		

BRAKES—PARKING

Type of control		Foot pedal apply; "T" handle release
Location of control		Left of steering column under instrument panel
Operates on		Rear service brakes
If separate from service brakes	Type (internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--

AMA Specifications—Passenger Car

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

MODEL 12400

BRAKES — SERVICE				STANDARD	FRONT DISC (Opt)
Type (drum or disc)				Drum (finned)	Disc
Self adjusting (std., opt., N.A.)				Standard	
Power brake make & type (remote, int., etc.)	Std.		--		
	Opt.		Bendix; Delco-Moraine Vacuum power unit; integral		
Effective area (sq. in.)*				168.9	114.0
Gross lining area (sq. in.)**				168.9	118.1
Swept area (sq. in.)***				268.6	332.4
Percent brake effectiveness — front				62.3	58.9
Drum or Disc	Diameter (nominal)	Front	9.5		
		Rear	9.5		
	Type and material		Composite, cast iron; steel web	Cast iron	
	Disc (vented or solid)		--	Vented	
No. pistons per caliper		--		4	
Wheel cylinder bore	Front		1.125	2.0625	
	Rear		.875	.875	
Master Cylinder	Bore		1.00		
	displacement distribution	Front %	62.3		
		Rear %	37.7		
	Type (proportion, delay, metering, other)		Check valve		
Pedal arc ratio				6.20	
Line pressure at 100 lb. pedal load				790	790
Shoe clearance adjustment				Self adjusting	
Brake lining	Drum or Disc			Drum	Disc
	Bonded or riveted			Bonded	Riveted
	Front Wheel	Material		Molded asbestos	
		Size (length x width x thickness)	Prim. or out-board	9.01 x 2.50 x .17	
			Second. or in-board	9.75 x 2.5 x .20	
		Segments per shoe		One	
	Rear Wheel	Material		Molded asbestos	
		Size (length x width x thickness)	Prim. or out-board	9.01 x 2.00 x .17	
			Second. or in-board	9.75 x 2.00 x .20	
		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 CAMARO MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED (*)MODEL 12400

STEERING

Manual (std., opt., NA)		Standard - energy absorbing steering column		
Power (std., opt., NA)		Optional		
Adjustable steering wheel (tilt, swing, other)	Type and description (std., opt., NA)	TILT: Tilt achieved with universally-jointed steering shaft at base of steering wheel		
		Optional		
Wheel diameter	Manual	16.25		
	Power	16.25		
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°				
Manual	Gear	Type	Semi-reversible, recirculating ball nut	
		Make	Saginaw	
		Ratios	Gear	24.1
			Overall	28.2:1
	No. wheel turns	4.8		
Power	Type (coaxial, linkage, etc.)	Coaxial		
	Make	Saginaw		
	Gear	Type	Same as manual	
		Ratios	Gear	17.5:1
			Overall	20.6:1
	Pump driven by	Crankshaft pulley		
Number wheel turns	2.8			
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.)		8-1/4 to 9-1/4	
	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 wt. & preferred)	Caster (deg.)	0 to P1		
	Camber (deg.)	N-1/4 to P-3/4		
	Toe-in (outside track inches)	1/8 to 1/4		
Steering spindle & joint type			Steering knuckle with spherical joints	
Wheel Spindle	Diameter	Inner bearing	1.2493-1.2498	
		Outer bearing	.7491-.7497	
	Thread size		3/4-20 NEF-3 (modified)	
	Bearing type		Taper roller	

AMA Specifications—Passenger Car

MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISED (*)MODEL 12400

SUSPENSION – GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling	Front stabilizer bar	
Provision for brake dip control	Front suspension beometry	
Provision for acc. squat control	Rear suspension geometry	
Special provisions for car jacking	Front: 3-3/4 in. inboard of bumper bolt Rear: 2-1/2 in. inboard of bumper bolt	
Shock absorber front & rear	Type	Direct, double acting hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features		

SUSPENSION – FRONT

Type and description	Independent: SLA type with coil springs and concentric shock absorber and spherically-jointed steering knuckle for each wheel.	
Spring	Type	Coil, right hand helix
	Material	Steel alloy
	Size (coil design height & I.D. bar length x dia.)	11.09 x 3.63 122.8 x .629
	Spring rate (lb. per in.)	347
	Rate at wheel (lb. per in.)	
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel .6875

SUSPENSION – REAR

Type and description	Salisbury rear axle with multiple leaf springs	
Drive and torque taken through	Rear Springs	
Spring	Type	Multiple leaf springs
	Material	Chrome carbon steel
	Size (length x width, coil design height & I.D.; bar length & dia.)	56.0 x 2.25
	Spring rate (lb. per in.)	125
	Rate at wheel (lb. per in.)	
	Mounting insulation type	Rubber bushed at shackle and hangers
	If leaf	No. of leaves
Stabilizer	Shackle (comp. or tens.)	Compression
	Type (link, linkless, frameless)	None
	Material	--
Track bar type	None	

AMA Specifications—Passenger Car

MAKE OF CAR CAMARO MODEL YEAR 1968 DATE ISSUED 10-15-67 REVISION (*)

MODEL 12400

FRAME

Type and description (Separate frame, unitized frame, partially - unitized frame)	Combination body-frame integral with separate forward portion ladder frame.
---	---

BODY – MISCELLANEOUS INFORMATION 2-Door Sport Coupe Convertible

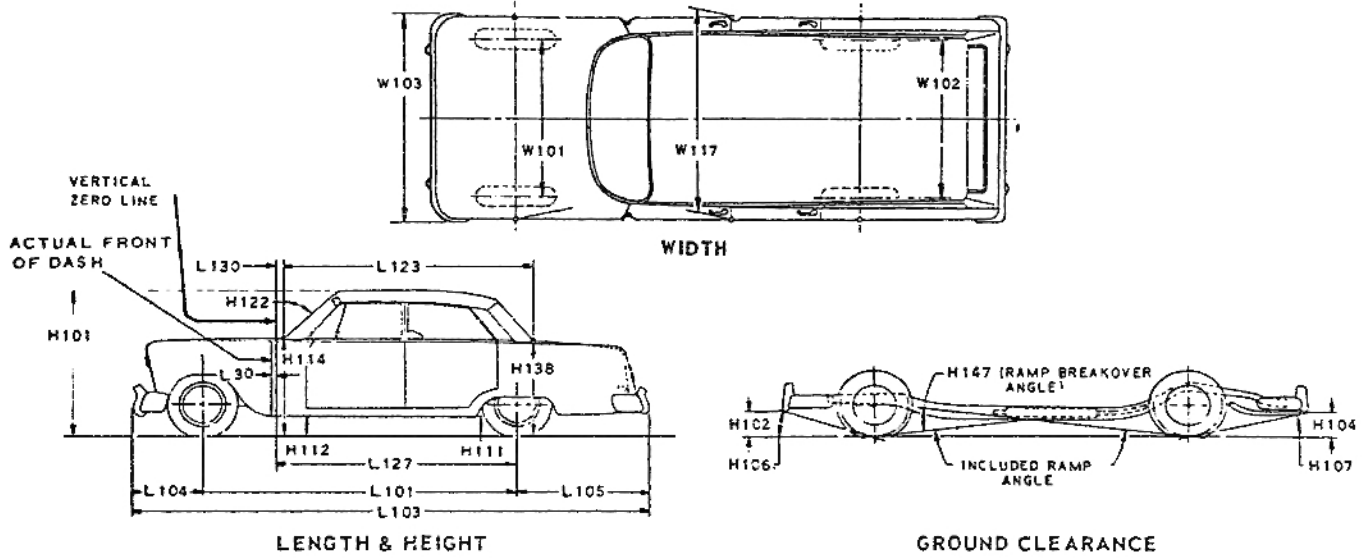
Drs. hinged (front, rr.)	Front doors		Front	
	Rear doors		None	
Type of finish (lacquer, enamel, other)			Acrylic lacquer	
Hood counterbalanced (yes, no)			Yes	
Hood release control (internal, external)			External	
Vehicle Ident. No. location	Top left hand of instrument panel			
Engine No. location	Top front of RH bank of cylinder and case			
Theft protection - type	Warning buzzer sounds when key is left in "OFF" position with left front door open.			
Vent window control method (crank, friction pivot)	Front	None		
	Rear	None		
Seat cushion type	Front	Formed wire and foam pad		
	Rear	Formed wire and cotton		
	3rd seat	None		
Seat back type	Front	Formed wire and foam pad		
	Rear	Formed wire and cotton		
	3rd seat	None		
Windshield glass type (i.e., single curved - laminated plate)	Curved - laminated plate			
Side glass type (i.e., curved - tempered plate)	Curved - tempered plate			
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Curved, tempered plate	Plastic	
Windshield glass exposed surface area		1032.6	990.5	
Side glass exposed surface area		1128.6	1199.0	
Backlight glass exposed surface area		819.2	834.0	
Total glass exposed surface area		2980.4	3023.5	

AMA Specifications—Passenger Car

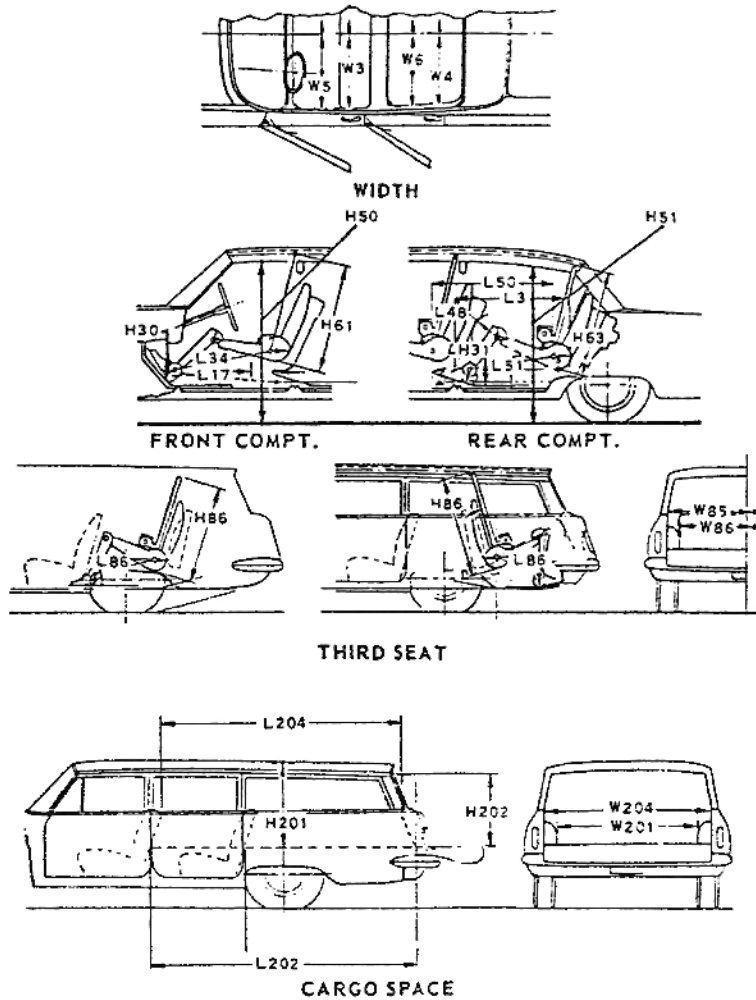
CAR AND BODY DIMENSIONS

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

W4xL204xH201

1728

INDEX

SUBJECT	PAGE NO.	SUBJECT	PAGE NO.
Automatic Transmission.....	16	Kingpin (Steering Axis).....	20
Axis, Steering.....	20	Lamp height and spacing.....	23
Axle, Rear.....	17	Legroom.....	2
Battery.....	12	Lengths - Car and Body.....	1
Bearings, Engine.....	5, 6, 7	Lifters, valve.....	6
Belts - Fan, Generator, Water Pump.....	11	Linings - Clutch, Brake.....	14, 19
Brakes - Parking, Service Power.....	18, 19	Lubrication.....	7, 8, 14, 15, 16, 17
Camber.....	20	Luggage Compartment.....	2
Camshaft.....	6	Motor, Starting.....	12
Capacitors.....		Muffler.....	8
Cooling System.....	11	Overdrive.....	15
Fuel Tank.....	10	Piston Pins & Rings.....	4, 5
Lubricants.....		Pistons.....	4, 5
Engine Crankcase.....	8	Power Brakes.....	19
Transmission and Overdrive.....	15, 16	Power Steering.....	20
Rear Axle.....	17	Power Teams.....	3
Car and Body Dimensions.....		Propeller Shaft, Universal Joints.....	16, 17
Width.....	1	Pumps - Oil, Fuel.....	8, 10
Length.....	1	Water.....	13
Height.....	1	Radiator, Hoses.....	11
Ground Clearance.....	1	Ratios - Axle.....	3, 17
Front Compartment.....	2	Compression.....	3, 4
Rear Compartment.....	2	Steering.....	20
Luggage Compartment.....	2	Transmission.....	15, 16
Station Wagon - Third Seat.....	2	Rear Axle.....	3, 17
Station Wagon - Cargo Space.....	2	Regulator - Generator.....	12
Carburetor.....	3, 9, 10	Rims.....	18
Caster.....	20	Rings, Piston.....	5
Choke, Automatic.....	10	Rods - Connecting.....	5
Clutch - Pedal Operated.....	14	Shock Absorbers, Front & Rear.....	21
Coil, Ignition.....	13	Spark Plugs.....	13
Connecting Rods.....	5	Speedometer.....	14
Convenience Equipment.....	23	Springs - Front & Rear Suspension.....	21
Cooling System.....	11	Valve, Engine.....	6
Crankcase Ventilation System.....	8	Stabilizer (Sway Bar) - Front & Rear.....	21
Crankshaft.....	6	Starting System.....	12
Cylinders and Cylinder Head.....	4	Steering.....	20
Dimension Definitions.....		Supply System.....	12
Key Sheet.....	25	Suppression - Ignition, Radio.....	13
Exterior & Interior.....	26	Suspension - Front & Rear.....	21
Distributor - Ignition.....	13	Tail Pipe.....	8
Electrical System.....	12, 13, 14	Thermostat, Cooling.....	11
Engine.....		Timing, Engine & Valve.....	6, 7, 13
Bore, Stroke, Displacement, Type.....	4	Tires.....	18
Compression Ratio.....	4	Toe in.....	20
Firing Order, Cylinder Numbering.....	4	Torque Converter.....	16
General Information, H.P. & Torque.....	4	Torque - Engine, Rated.....	3, 4
Lubrication.....	7, 8	Transmission - Types.....	3, 10, 15, 16
Power Teams.....	3	Automatic.....	3, 10, 15, 16
Exhaust Emission Control.....	9	Manual & Overdrive.....	3, 10, 15
Exhaust System.....	8	Ratios.....	15, 16
Equipment Availability.....	22	Track.....	1
Fan, Cooling.....	11	Trunk Luggage Capacity.....	2
Filters - Engine Oil, Fuel System.....	8, 10	Turning Diameter.....	20
Frame.....	22	Unitized Construction.....	22
Front Suspension.....	21	Universal Joints, Propeller Shaft.....	16, 17
Fuel, Fuel Pump, Fuel System.....	4, 10	Valves - Intake & Exhaust.....	6, 7
Fuel Injection.....	10	Vibration Damper.....	6
Generator and Regulator.....	12	Voltage Regulator.....	12
Glass.....	22	Water Pump.....	11
Height (Lamps).....	14	Weights - Shipping, Curb.....	24
Leadroom - Body.....	2	Wheel Alignment.....	20
Weights - Car and Body.....	1	Wheelbase.....	1
Horns.....	14	Wheels & Tires.....	18
Horsepower - Brake.....	3, 4	Wheel Spindle.....	20
Ignition System.....	13	Widths - Car and Body.....	1
Inflation - Tires.....	18	Windshield.....	22
Instruments.....	14	Windshield Wiper.....	14