

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 Engineering Center 30003 Van Dyke, Warren, Michigan 48090	MODEL YEAR	1967
		ISSUED:	10-7-66
		REVISED (*)	

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.

TABLE OF CONTENTS

General Specifications	1,2	Drive Units	14	Suspensions	21
Engine—Mechanical	3	Brakes	18	Weights	24
Electrical	12	Steering	19	Index	25

BODY—TYPES AND STYLE NAMES—

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

	230 Cu.In. L6-140 HP Standard	327 Cu.In. V8-210 HP Standard
2-Door Sport Coupe, 4-Passenger	12337	12437
2-Door Convertible, 4-Passenger	12367	12467

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED ^(*)

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL		Additional Information Page No.:	12300 230 Cu. In. L-6 Standard	12400 327 Cu. In. V-8 Standard
Wheelbase (L101)			108.0	
Track	Front (W101)		59.0	
	Rear (W102)		58.9	
Maximum Overall Dimensions	Length (L103)		184.7	
	Width (W103)		72.5	
	Height (H101)		51.4	
Transmission (Specify trade name - opt., not available)	Manual - 3 speed	15	Standard	
	Manual - 4 speed	15	Optional	
	Overdrive	15	Not available	
	Automatic	16	Powerglide	
Axle ratio (See Pg. 4 for Optional Ratios)	Manual - 3 speed	17	3.08:1	
	Manual - 4 speed	17	3.08:1	
	Overdrive	17	Not available	
	Automatic	17	2.73:1	
Tire size		18	7.35x14	
Engine	Type, no. cyl., valve arr.	3	In-line 6 OHV	90° V-8
	Fuel system (Carb., other)	10	Carburetor	
	Bore and stroke	3	3.875x3.25	4.00x3.25
	Piston displ., cu. in.	3	230	327
	Std. compression ratio	3	8.5:1	8.75:1
	Max. bhp at engine rpm	3	140 @ 4400	210 @ 4600
	Max. torque at rpm	3	220 @ 1600	320 @ 2400

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED ^(*)

GENERAL SPECIFICATIONS—DIMENSIONS

(All dimensions in inches unless otherwise indicated)
(Supplemental data available on request)

MODEL	SAE Ref. No.	12337, 12437 Coupe	12367, 12467 Convertible
-------	--------------	--------------------	--------------------------

FRONT COMPARTMENT

Shoulder room	W3	56.7	
Hip room	W5	56.3	
Max. eff. leg room - accelerator	L34	42.5	
Effective head room	H61	37.1	37.5
H Point to Heel point	H30	7.6	

REAR COMPARTMENT

Shoulder room	W4	53.8	47.3
Hip room	W6	54.5	47.5
Minimum effective leg room	L51	29.9	29.6
Effective head room	H63	36.7	36.8

LUGGAGE COMPARTMENT

Usable luggage capacity	V1	8.3	5.6
Liftover height	H195	30.0	
Position of spare tire storage		Horz. over axle	Horz. right RR quarter
Method of holding lid open		Torsion bars	

STATION WAGON—THIRD SEAT

		None
Hip room	W86	----
Effective leg room	L86	----
Effective head room	H86	----
Seat facing direction		----

STATION WAGON—CARGO SPACE

MODEL	SAE Ref. No.	None
Minimum distance between wheel houses at floor level	W201	----
Rear end opening width at belt	W204	----
Floor length from back of front seat at floor level to inside of closed tail gate	L202	----
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	----
Maximum height - floor covering to headlining at centerline of rear axle	H201	----
Maximum height of rear opening - tail and lift gates open	H202	----
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	----

AMA Specifications—Passenger Car

MAKE OF CAR	Camaro	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED ^(*)
		12300		12400		
MODEL	230 Cu.In. L-6 Standard	327 Cu.In. V-8 Standard				

ENGINE—GENERAL

Type, no. cyls., valve arr.	In-line 6 OHV	90° OHV V-8
Bore and stroke (nominal)	3.875x3.25	4.001x3.250
Piston displacement, cu. in.	230	327
Bore spacing (C/L to C/L)	4.40	
No. system	L. Bank	1-2-3-4-5-6
(front to rear)	R. Bank	(in-line)
Firing order	1-5-3-6-2-4	1-3-5-7
Compres. ratio (nominal)	8.5:1	2-4-6-8
Cylinder Head Material	Cast alloy iron	1-8-4-3-6-5-7-2
Cylinder Block Material	Cast alloy iron	8.75:1
Cylinder Sleeve-Wet, dry, none	None	
Number of mounting points	Front	Two
	Rear	One
Engine installation angle	3°35'	
Taxable horsepower	Dia ² xNo.Cyl. 2.5	36.0
Publishing max. bhp* @ eng. RPM	140 @ 4400	51.2
Publishing max. torque* (lb. ft. @ RPM)	220 @ 1600	210 @ 4600
Recommended fuel regular • premium	Regular	320 @ 2400
Idle speed (spec.)	Manual	500
neutral or drive)	Automatic	500

ENGINE—PISTONS

Material	Cast aluminum alloy
Description and finish	Flat head, notched; slipper skirt
Weight (piston only) oz.	20.32
Clearance (limits)	Top land
	Skirt
	Top
	Bottom
Ring groove depth	No. 1 ring
	No. 2 ring
	No. 3 ring
	No. 4 ring

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

(a) Measured 2.44 from top of piston

(b) Measured 2.24 from top of piston

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED ^(*)

POWER TEAMS

(Indicate whether standard or optional)

"A" "B" "C"

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO ** (Std. first) (Indicate A/C ratio)		
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM				
12337 12367	230 (Std)	1-Bbl Down- draft	8.5:1	140 @ 4400	220 @ 1600	3-Spd (2.85:1 low)	3.08	2.73	3.55
						4-Spd (3.11:1 low)*			
						Powerglide*			
						Air cond.* All trans	3.08	----	3.55
12437 12467	327 (Std)	2-Bbl Down- draft	8.75:1	210 @ 4600	320 @ 2400	3-Spd (2.54:1 low)	3.08	2.73	3.55
						4-Spd (2.54:1 low)*			
						Powerglide*			
						Air cond.* All trans	3.08	----	3.55
* - Optional									
** - Also available in positraction for combinations shown									
A - Standard									
B - Economy									
C - Performance									

AMA Specifications—Passenger Car

MAKE OF CAR	Camaro	MODEL YEAR	1967	DATE ISSUED	REVISED ^(a)
MODEL		12300	12400		
		230 Cu.In. L-6 Standard	327 Cu.In. V-8 Standard		

ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil
	No. 4, oil or comp.	None
Compression	Description - material, coating, etc.	Cast alloy iron; inside bevel, tapered face; Flash chrome plate-Upper; wear resistant coating-lower
	Width	.0775-.0780 upr; .0770-.0780 lwr .0775-.0780 upr & lwr
	Gap	.010-.020 .013-.023 upr; .013-.025 lwr
Oil	Description - material, coating, etc.	Multi-piece (2 rails and 1 spacer expander) Rails-steel, chrome plated OD; Expander-stainless steel
	Width	.1870-.1890 (assembled)
	Gap	.015-.055
Expanders		In oil ring assembly

ENGINE—PISTON PINS

Material		Chromium steel
Length		2.990-3.010
Diameter		.9270-.9273
Type	Locked in rod, in piston, floating, etc.	Locked in rod
	Bushing	In rod or piston
	Material	None
Clearance	In piston	.00015-.00025
	In rod	None
Direction & amount offset in piston		.055-.065

ENGINE—CONNECTING RODS

Material		Drop forged steel
Weight (oz.)	12.50	14.56
Length (center to center)		5.699-5.701
Bearing	Material & Type	Copper lead alloy or sintered copper nickel backed babbitt on steel
	Overall length	.807
	Clearance (limits)	.0007-.0027
	End play	.009-.013

AMA Specifications—Passenger Car

MAKE OF CAR	Camaro	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED ^(a)
			12300		12400	
MODEL		230 Cu.In. L-6 Standard		327 Cu.In. V-8 Standard		

ENGINE—CRANKSHAFT

Material		Cast nodular iron		Forged steel	
Vibration damper type		Rubber mounted inertia			
End thrust taken by bearing (No.)		7		5	
Crankshaft end play		.002-.006			
Main bearing	Material & type		Steel, backed insert bearing material-copper lead alloy or premium aluminum-for intended engine operation and application		
	Clearance		.0003-.0029		(a)
	Journal dia. and bearing overall length	No. 1	2.3004x.752		2.3003x.752
		No. 2	2.3004x.752		2.3004x.752
		No. 3	2.3004x.752		2.3004x.752
		No. 4	2.3004x.752		2.3004x.752
		No. 5	2.3004x.752		2.3009x1.177
		No. 6	2.3004x.752		None
		No. 7	2.3004x.760		None
Dir. & amt. cyl. offset					
Crankpin journal diameter					

ENGINE—CAMSHAFT

Location	Above and to right of crankshaft		In block above crankshaft
Material	Cast alloy iron		
Bearings	Material	Steel backed babbitt	
	Number	4	5
Type of Drive	Gear or chain		Gear
	Crankshaft gear or sprocket material		Steel
	Camshaft gear or sprocket material		Bakelite and fabric composition with steel hub
	Timing chain		Cast alloy iron
	No. of links	None	40
	Width	None	.875
Pitch		None	.500

ENGINE—VALVE SYSTEM

Hydraulic lifter (Std, opt, NA)	Standard	
Valve rotator, type (intake, exhaust)	None	
Rocker ratio	1.75:1	1.50:1
Operating tappet clearance (indicate hot or cold)	Intake	None
	Exhaust	None
Timing mark, on flywheel, damper, other	Torsional damper	

(Continued)

(a) #1-(.0008-.0020) #2, 3 & 4-(.0008-.0024) #5-(.0015-.0031)

AMA Specifications—Passenger Car

MAKE OF CAR	Camaro	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED (*)
		12300		12400		
MODEL		230 Cu. In. L-6 Standard		327 Cu. In. V-8 Standard		

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	62°	36°
		Closes (°ABC)	94°	94°
		Duration-deg.	336°	310°
	Exhaust	Opens (°BBC)	92°30'	86°
		Closes (°ATC)	63°30'	54°
		Duration-deg.	336°	320°
	Valve opening overlap		126°30'	90°
Intake	Material		Alloy steel	
	Overall length		4.902-4.922	4.870-4.889
	Actual overall head dia.		1.715-1.725	1.935-1.945
	Angle of seat & face		46° (seat) 45° (face)	
	Seat insert material		None	
	Stem diameter		.3410-.3417	
	Stem to guide clearance		.0010-.0027	
	Lift (@zero lash)		.3880	.3900
	Outer spring press. and length	Valve closed (lb. @ in.)	56-64 @ 1.66	76-84 @ 1.70
		Valve open (lb. @ in.)	180-192 @ 1.27	194-206 @ 1.25
	Inner spring press. and length	Valve closed (lb. @ in.)	None	Spring damper
		Valve open (lb. @ in.)	None	Spring damper
Exhaust	Material		High alloy steel	High alloy steel-aluminized face
	Overall length		4.913-4.933	
	Actual overall head dia.		1.495-1.505	
	Angle of seat & face		46° (seat) 45° (face)	
	Seat insert material		None	
	Stem diameter		.3410-.3417	
	Stem to guide clearance		.0010-.0027	
	Lift (@zero lash)		.3880	.4100
	Outer spring press. and length	Valve closed (lb. @ in.)	56-64 @ 1.66	76-84 @ 1.70
		Valve open (lb. @ in.)	180-192 @ 1.27	194-206 @ 1.25
	Inner spring press. and length	Valve closed (lb. @ in.)	None	Spring damper
		Valve open (lb. @ in.)	None	Spring damper

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Splash	
	Camshaft bearings	Pressure	
	Tappets	Pressure	
	Timing gear or chain	Nozzle	Centrif. oiled from camshaft brg
	Cylinder walls	Conn. rod bearing throwoff	Pressure, jet cross sprayed

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR	Camaro	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED (*)
			12300		12400	
MODEL		230 Cu.In. L-6 Standard		327 Cu.In. V-8 Standard		

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear	
Normal oil pressure (lb. @ engine rpm)	30-45 PSI @ 1500 RPM	
Oil pressure sending unit (elect. or mech.)	Electric	
Type oil intake (floating, stationary)	Stationary	
Oil filter system (full flow, partial, other)	Full-flow	
Filter replacement (element, complete)	Complete	Element
Capacity of crankcase, 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 Requirement (MM, MS, etc.)	MS or DG	

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single with crossover
Muffler No. & type (reverse flow, straight thru, separate resonator)	Reverse flow	
Exhaust pipe dia. (O.D., wall thickness)	Branch	2.00x.057-.071
	Main	2.25x.075-.091
Tail pipe diameter (O.D. & wall thickness)	1.875x.062-.076	2.00x.062-.076

ENGINE— CRANK CASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Ventilates to induction system	
	Optional	----	
Control Unit	Make and model	----	
	Location	Top rear of rocker cover	Rear of carburetor
	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)	Breather cap	
	Flame arrestor (screen, check valve, other)	Check valve	

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED ^(a)

MODEL 230 Cu. In. L-6 327 Cu. In. V-8
Manual trans. Powerglide Manual trans. Powerglide

ENGINE—EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Air injection				
Air Injection Pump	Type	Semi-articulated vane type				
	Displacement	19.3 cubic inch				
	Drive ratio	1.25:1				
	Drive type	Crankshaft pulley				
	Relief valve (type)	Pressure (plate type)				
	Filter (describe)	None (clean air drawn from air cleaner)				
Air Injection System	Air distribution (head, manifold, etc.)	Head		Manifold		
	Point of entry	Exhaust ports				
	Injection tube I.D.	.2565				
	Check valve type	Pressure (plate type)				
	Backfire protection (type)	Vacuum actuated anti-backfire valve				
Carburetor	Make	Carter		Rochester		
	Model	3905975	3905976	7037101	7037110	
	Barrel size	1.56		1.44		
	Idle speed	Drive	----	500	----	600
		Neutral	700	----	700	----
Distributor	Aux. Adv. Systems (type)	None				
	Make	Delco-Remy				
	Model	1110387		1111101		
	Cent'fgal adv. in crank degrees @ eng. rpm.	Start (rpm)	950	900		
		Intermed. points deg. @ rpm	17 @ 2100	None		
		Max. deg @ rpm.	26 @ 4000	32 @ 3950		
	Vacuum adv. in. crank degrees @ eng. rpm	Start (in Hg)	6	8		
		Intermed. points deg. @ in. Hg	None			
		Max. deg. @ in.	21 @ 14.5	15 @ 15.5		
	Vacuum Source		Carburetor			
Timing - Crank degrees @ rpm		4 BTDC @ Idle (a)		2 BTDC @ Idle (b)		
Cooling System (describe changes)		None		195° thermostat		
Exhaust System (describe changes)		None				

(a) 6°-11° BTDC when premium fuel is used with automatic transmission

(b) 5°-10° BTDC when premium fuel is used with automatic transmission

AMA Specifications—Passenger Car

MAKE OF CAR	Camaro	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED	(*)
			12300			12400	
MODEL			230 Cu.In. I-6 Standard			327 Cu.In. V-8 Standard	

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)			Pressure
Radiator cap relief valve pressure			15 ± 1 PSI
Circulation	Type (choke, bypass)		Choke
thermostat	Starts to open at (°F)	192°-198°	177°-183°
	Type (centrifugal, other)		Centrifugal
Water pump	GPM @ 1000 pump rpm	60 @ 4400	57 @ 4400
	Number of pumps		One
	Drive (V-belt, other)		V-belt
	Bearing type		Permanently lubricated double row ball
By-pass recirculation type (internal, external)			Internal
Radiator core type (cellular, tube and fin, other)			Cross flow
Cooling system capacity	With heater (qt.)	14	17
	Without heater (qt.)	13	16
	Opt. equipment-specify (qt.)	14	17
Water jackets full length of cylinder (yes, no)			Yes
Water all around cylinder (yes, no)			Yes
Radiator hose	Lower	Number and type (molded, straight)	One, molded
		Inside diameter	1.75
	Upper	Number and type (molded, straight)	One, molded
		Inside diameter	1.50
	By-pass	Number and type (molded, straight)	None
		Inside diameter	None
Fan	Number of blades & spacing		4-staggered
	Diameter		17.62
	Ratio-fan to crankshaft rev.		.949:1
	Fan cutout type		None
	Bearing type		Double row ball
*Drive belts (indicate belt used by letter)	Fan	A	D
	Generator or alternator	A	D
	Water Pump	A	D
	Power Steering	B	E
	Air Conditioning	C	F

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V			38°-42°								
Nominal length (SAE)	39.00	49.50	54.75	53.50	35.00	57.50					
Width			.380±.005								

AMA Specifications—Passenger Car

MAKE OF CAR	Camaro	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED ^(*)
MODEL		12300	12400			
		230 Cu. In. L-6 Standard	327 Cu. In. V-8 Standard			

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Delco #1980032	Delco #1980030
	Voltage Rtg. & Total Plates		12 volts 54 plates	12 volts 66 plates
	SAE Designation & Amp Hr. Rtg.		45 amp/hr @ 20 hr rate	61 amp/hr @ 20 hr rate
	Location		Right front engine compartment	
Generator or Alternator	Terminal grounded		Negative	
	Make		Delco-Remy	
	Model		#1100693	
	Type and rating		Diode rectified - 37 amps	
	Output at engine idle (neutral)		13 amps	
Regulator	Ratio—Gen. to Cr/s rev.		2.46:1	
	Make		Delco-Remy	
	Model		#1119515	
	Type		Vibrator	
	Cutout relay	Closing voltage @ generator rpm	None	
		Reverse current to open	None	
	Regulated	Voltage	13.8-14.8 @ 85°F	
		Current	---	
	Voltage test conditions	Temperature	Operating	
		Load	3-8 amps	
		Other	None	

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Delco-Remy	
	Model		#1115208	#1115204
	Rotation (drive end view)		Clockwise	
	Engine cranking speed		- - - - -	
	Test conditions		Engine at operating temperatures	
	No load test	Amps	58-87	65-100
		Volts	10.6	10.6
RPM (min)		8450-10700	3600-5100	
Motor control	Switch (solenoid, manual)		Solenoid	
	Starting procedure		3 and 4-speed - Place gear shift lever in neutral, depress clutch to floor. Powerglide - Place control lever in N or P position. Initial Start - Depress accelerator pedal to floor then release, turn ignition to START and release as soon as engine starts.	

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR	Camaro	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED ^(*)
MODEL		12300	12400	230 Cu.In. L-6 Standard	327 Cu.In. V-8 Standard	

ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type			Positive shift solenoid
	Pinion meshes (front, rear)			Rear
	Number of teeth	Pinion		9
		Flywheel	Manual	153
			Auto.	153
	Flywheel tooth face width			Manual .4010-.4130 Auto. .4010-.4130

ELECTRICAL—IGNITION SYSTEM

Coil	Transistorized - Std., Opt., N.A.		Not available	
	Make		Delco-Remy	
	Model		#1115208	#1115204
	Amps	Engine stopped	4.0	
Engine idling		1.8		
Distributor	Make		Delco-Remy	
	Model		#1110362	#1111101
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	900	900
		Intermediate points deg. @ rpm.	10 @ 1200	None
		Max. deg. @ rpm.	30 @ 3200	32 @ 3950
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	6	8
		Intermediate points, deg. @ in. Hg.	None	
		Max. deg. in. Hg.	21 @ 14.5	15 @ 15.5
	Breaker gap (in.)		.019	
	Cam angle (deg.)		31°-34°	28°-32°
	Breaker arm tension (oz.)		19-23 oz	
	Timing	Crankshaft deg. @ rpm.		4 BTDC @ 500
Mark location		Torsional damper		
Spark Plug	Make		AC spark plug	
	Model		AC 46N (long reach)	AC 44
	Thread (mm)		14	
	Tightening torque (lb. ft.)		25	
	Gap		.033-.038	
Cable	Conductor type		Linen core impregnated with conducting material	
	Insulation type		Rubber with neoprene jacket	
	Spark plug protector		Neoprene	

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED ^(*)
 MODEL 12300 230 Cu. In. L-6 Standard 12400 327 Cu. In. V-8 Standard

ELECTRICAL—SUPPRESSION

Locations & type	Non-metallic high tension cables
------------------	----------------------------------

ELECTRICAL—INSTRUMENTS AND EQUIPMENT

Speed-ometer	Make	AC
	Trip odometer (yes, no)	Not available
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
Windshield wiper	Make	Delco
	Type—Standard	Electric, 2-speed
	Type—Optional	None
	Vacuum booster provision	None
	Washer provision	Electric, 2-speed
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 and 4-speed	3 and 4-speed
		Single dry disc	Single dry disc; semi-centrifugal
Type pressure plate springs		Diaphragm	Diaphragm-bent finger design
Total spring load (lb.)		1650-1850	2100-2300
No. of clutch driven discs		One	
Clutch facing	Material	Woven asbestos	Premium grade-woven asbestos
	Outside & inside dia.	9.12 and 6.12	10.40 and 6.50
	Total eff. area (sq. in.)	71.82	103.53
	Thickness	.135 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	1967	DATE ISSUED	10-7-66	REVISED (*)
MODEL		12300		12400		
		230 Cu. In. L-6 Standard		327 Cu. In. V-8 Standard		

DRIVE UNITS—TRANSMISSIONS

Manual 3-speed (std. or opt.)	Standard
Manual 4-speed (std. or opt.)	Optional
Manual with overdrive (std. or opt.)	Not available
Automatic (std. or opt.)	Powerglide-optional

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds		3-Speed	4-Speed	3-Speed	4-Speed
		3	4	3	4
Transmission ratios	In first	2.85	3.11	2.54	2.54
	In second	1.68	2.20	1.50	1.80
	In third	1.00	1.47	1.00	1.44
	In fourth	---	1.00	---	1.00
	In reverse	2.95	3.11	2.63	2.54
Synchronous meshing, specify gears		All forward gears			
Shift lever location		3-speed-column; 4-speed-floor			
Lubricant	Capacity (pt.)	3			
	Type recommended	Military spec MIL-L-2105B			
	SAE viscosity number	Summer	SAE 80		
		Winter	SAE 80		
		Extreme cold	SAE 80		

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

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

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED _____ REVISED ^(*) _____
 MODEL _____ 12300 12400
 _____ 230 Cu.In. L-6 Standard _____ 327 Cu.In. V-8 Standard

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Powerglide	
Type describe	Torque converter with planetary gears	
Method of Selection (Lever, Push Button or other)	Steering column; floor mounted with console available optionally	
Selector Pattern	P-R-N-D-L	
List gear ratios Selector Pattern and indicate which are used in each selector position	Drive 1.82 and 1.00 Low and reverse 1.82	Drive 1.76 and 1.00 Low and reverse 1.76
Max. upshift speeds—drive range	66	72
Max. kickdown speeds—drive range	62	69
Torque converter	Number of elements	3
	Max. ratio at stall	2.40 2.10
Lubricant	Type of cooling (air, liquid)	Water
	Capacity—refill (pt.)	6
	Type recommended	A suffix A
Special transmission features		

DRIVE UNITS—PROPELLER SHAFT

Number used	One	
Type (exposed, torque tube)	Tubular, exposed	
Outer diameter x length* x wall thickness	Manual 3-speed transmission	2.75 x 49.96 x .065
	Manual 4-speed transmission	2.75 x 49.96 x .065
	Overdrive transmission	Not available
	Automatic transmission	2.75 x 49.96 x .065

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

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR	Camaro	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED	(*)
MODEL		12300	12400				
		230 Cu. In. L-6 Standard	327 Cu. In. V-8 Standard				

DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting, prepack)		----
Universal joints	Make		Chevrolet
	Number used		Two
	Type (ball and trunnion, cross, other)		Cross
	Bearing	Type (plain, anti-friction)	Anti-friction
		Lubric. (fitting, prepack)	Prepack
Drive taken through (torque tube or arms, springs)			Mono-leaf rear spring
Torque taken through (torque tube or arms, springs)			Mono-leaf rear spring

DRIVE UNITS—REAR AXLE

Description		Semi-floating, overhung pinion gear
Limited Slip differential, type		Dual disc clutches
Drive Pinion Offset		1.5
No. of differential pinions		Two
Ring gear O.D. (std. ratio)		8.125
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	Military specs MIL-L-2105-B
	SAE viscosity number	SAE 80
	Summer	SAE 80
	Winter	SAE 80
	Extreme cold	SAE 80

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 4 for axle ratio usage)

Axle ratio		3.08:1	3.55:1	2.73
No. of teeth	Pinion	12	11	15
	Ring gear	37	39	41

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED ^(*)
 12300-12400
 MODEL Coupe Convertible

DRIVE UNITS—WHEELS

Type & material		Short spoke spider
Rim (size and flange type)	Std.	14 x 5J
	Opt.	14 x 5.0
Attachment	Type (bolt or stud)	Bolt
	Circle diameter	4.75
	Number and size	5 hex nuts 7/16-20 UNF 2-B

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	7.35 x 14
	Type - Nylon, etc.	Original equipment
Rev/mile at 50 mph.		781
Inflation press. (cold)	Front	24 (a)
	Rear	24 (a)
Optional tires - size and ply		D70 x 14

BRAKES—SERVICE

		Standard	Metallic (Opt)	Front disc (Opt)
Type (duo-servo, disc, balanced, etc.)		Duo-Servo 4-wheel hydraulic		Disc
Self adjusting (std., opt., N.A.)			Standard	
Hydraulic system type (single, dual, etc.)			Dual	
Power brake make & type (remote, integral, etc.)		Bendix Delco-Moraine vacuum power unit assists master cylinder; integral		
Effective area (sq. in.) *		168.9	118.1	114.0
Gross lining area (sq. in.) **		168.9	118.1	118.1
Swept drum area (sq. in.) ***		268.6		332.4
Percent brake effectiveness—front		62.3		68.2
Drum or Rotor	Diameter	Front 9.5		11.00
		Rear 9.5		
	Type and material	Composite: steel web, cast iron rim		Cast iron
	Rotor (vented or solid)	----		Vented
Wheel cylinder bore	No. pistons per caliper	----		4
	Front	1.125		1.875
			.875	
Master cylinder bore		1.00	.875	1.00
Available pedal travel		6.5		7.2
Line pressure at 100 lb. pedal load		790	1031	790
Shoe clearance adjustment			Self-Adjusting	

* 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 drum circumference.

(Continued)

(a) Vehicles equipped with 327 V-8 and air conditioning carry 26 PSI front and rear.

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED ^(*)

MODEL 12300-12400

BRAKES—SERVICE (cont.)					Standard	Metallic (Opt)	Front Disc (Opt)
Brake lining	Drum or Disc			Drum		Disc	
	Bonded or riveted			Bonded	Welded	Riveted	
	Front Wheel	Material		Molded asbestos	Sintered iron	Molded asbestos	
		Size (length x width x thickness)	Prim. or out- board	9.01x2.50x.17	1.64x1.25x.175	5.96x2.21x.41	
			Second. or in- board	9.75x2.50x.20	1.64x1.25x.295	5.96x2.21x.41	
		Segments per shoe		One	PR1 3 Sec 5	One	
	Rear Wheel	Material		Molded asbestos	Sintered iron	Molded asbestos	
		Size (length x width x thickness)	Prim. or out- board	9.01x2.00x.17	1.64x1.00x.175	5.96x2.21x.41	
			Second. or in- board	9.75x2.00x.20	1.64x1.00x.295	5.96x2.21x.41	
		Segments per shoe		One	PR1 3 Sec 5	One	

BRAKES—PARKING

Type of control		Pulley - cable linkage - foot pedal appl. - handle release
Location of control		Below instrument panel, left of steering column
Operates on		Rear service brakes
If separate from service brakes	Type (internal or external)	----
	Drum diameter	----
	Lining size (length x width x thickness)	----

FRAME

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

STEERING

Manual (std., opt., NA)			Standard - energy absorbing steering column	
Power (std., opt., NA)			Optional	
Adjustable steering wheel (tilt, swing, other)		Type and description	Tilt type	
		(std., opt., NA)	Optional	
Wheel diameter		Manual	16.25	
		Power	16.25	
Turning diameter	Outside front	Wall to wall (l. & r.)	38.8	
		Curb to curb (l. & r.)	37.4	
	Inside rear	Wall to wall (l. & r.)	----	
		Curb to curb (l. & r.)	----	
Outside wheel angle with inside wheel at 20°			18.5	
Manual	Gear	Type	Semi-reversible, recirculating ball nut	
		Make	Saginaw	
		Ratios	Coupes 24:1: Convertible 28:1	
		Overall	Coupes 24:1: Convertible 28:1	
	No. wheel turns		4.0 lock to lock	

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED ^(*)

MODEL 12300-12400

STEERING (cont.)

Power	Type (coaxial, linkage, etc.).		Coaxial
	Make		Saginaw
	Gear	Type	Same as manual
		Ratios	17.5:1
		Gear	17.5:1
	Overall		
	Pump driven by		Crankshaft pulley
Linkage	Number wheel turns		3.0 lock to lock
	Type		Parallelogram
	Location (front or rear of wheels, other)		Rear of wheels
	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 metallic bearing surface
		Thrust	None
Wheel Alignment (range at curb weight and 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		Forging with pad for mounting brake cylinder, spherical
Wheel spindle	Diameter	Inner bearing	1.2493-1.2498
		Outer bearing	.7493-.7498
	Thread size		3/4-20 NEF-3 (modified)
	Bearing type		Taper roller

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED ^(a)

MODEL 12300-12400

SUSPENSION—GENERAL

(See Supplemental page for details on Air Suspension)*

Provision for car leveling	Front stabilizer bar
Provision for brake dip control	Front suspension geometry
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	Direct, double acting hydraulic
Type	Delco
Make	1.00
Piston dia.	
Other special features	Single leaf rear springs

SUSPENSION—FRONT

230 Cu.In. L-6

327 Cu.In. V-8

Type and description	Independent: SLA type with coil spring and concentric shock absorber and spherically-jointed steering knuckle for each wheel		
Spring	Type	Coil	
	Material	Steel alloy	
	Size (coil design height & I.D.; bar length x dia.)	11.09x3.63	11.09x3.63
	Spring rate (lb. per in.)	108.25x.604	121.79x.615
	Rate at wheel (lb. per in.)	345	320
Stabilizer	124		112
	Type (link, linkless, frameless)	Link	
	Material & bar diameter	HR steel, .6875 (a)	

SUSPENSION—REAR

Type and description	Salisbury rear axle with two single leaf springs		
Drive and torque taken through	Rear springs		
Spring	Type	Single-leaf	
	Material	Chrome carbon steel	
	Size (length x width, coil design height & I.D.; bar length & dia.)	56.0x2.25	
	Spring rate (lb. per in.)	115	
	Rate at wheel (lb. per in.)	121	
	Mounting insulation type	Rubber bushed at shackle and hangar	
	If leaf	No. of leaves	One
Stabilizer	Shackle (comp. or tens)	Compression	
	Type (link, linkless, frameless)	None	
Track bar type	Material	None	
		None	

(a) Not available on coupe with L-6 engine.

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED ^(*)

MODEL 12337-12437 12367-12467

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front
	Rear doors	Not available
Type of finish (lacquer, enamel, other)		Acrylic lacquer
Hood counterbalanced (yes, no)		Yes
Hood release control (internal, external)		External
Vehicle Ident. No. location		Left front body hinge pillar
Engine No. location		6 cyl - on crankcase R.H. side of engine, rear of distributor 8 cyl - on top, front of R.H. bank of cylinder and case
Theft protection - type		Shielded ignition lock terminals Key removable in "OFF" position
Vent window control method (crank, friction pivot)	Front	Friction pivot
	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
Side glass type (i.e., curved - tempered plate)		Curved
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Curved Plastic
Windshield glass exposed surface area		1032.6 990.5
Side glass exposed surface area		1083.7 1093.8
Backlight glass exposed surface area		819.2 834.0
Total glass exposed surface area		2935.5 2918.3

LAMP HEIGHT AND SPACING

			Coupe	Rally Sport	Convertible	Rally Sport
Height above ground to center of bulb	Headlamp	Highest *	25.5	25.5	25.5	25.5
		Lowest	----	----	----	----
	Tail	Highest	24.3	24.3	24.3	24.3
		Lowest	----	24.3	----	24.3
Distance from C/L of car to center of bulb	Headlamp	Inside	----	----	----	----
		Outside *	24.4	24.4	24.4	24.4
	Tail	Inside	----	20.0	----	20.0
		Outside	23.3	23.3	23.3	23.3
	Directional	Front	17.0	23.6	17.0	23.6
		Rear	23.3	23.3	23.3	23.3

* If single headlamps are used enter here.

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (*)

MODEL 12337-12437 12367-12467

CONVENIENCE EQUIPMENT

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

Power windows	Side Windows	Optional	
	Vent Windows	Not available	
	Backlight or tailgate	Not available	
Power seats (specify type as well as availability)		Not available	
Reclining front seat back		Not available	
Front seat headrest		Optional	
Radios (specify type as well as availability)		Optional - AM-Manual, AM-Push-button, AM-FM Push-button	
Rear seat speaker		Optional	
Power Antenna		Not available	
Clock		Optional	
Air Conditioner (specify type and availability)		Optional - Four season and custom (recirculating)	
Speed warning device		Optional	
Speed control device		Optional	
Ignition lock lamp		Not available	
Back up lamp		Standard	
Dome lamp		Standard 123-12437	Not available
Glove compartment lamp		Optional	
Prkg. brake signal lamp		Standard	
Luggage compartment lamp		Optional	
Underhood lamp		Optional	
Courtesy lamp		Optional - 123-12437	
Map lamp		Not available	
Auto. trans. quad. lamp		Standard	
Emergency flasher lamp, four-way		Standard	
Cornering light lamp		Not available	
Freeway lane change signal		Standard	
Instrument panel pad		Standard	
Left hand outside mirror		Standard	
Padded sun shades		Standard	
Brake system malfunction warning indicator		Standard	
Steering column energy absorbing		Standard	

Form Rev. 4-65