

AMA Specifications—Passenger Car

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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:	
		REVISED (a) 3-1-67	

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

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.

	302 Cu. In. V8-290 HP <u>RPO (Z28)</u>
2-Door Sport Coupe, 4-Passenger	12437
2-Door Convertible, 4-Passenger	12467

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED _____ REVISED 03-1-67

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL		Additional Information Page No.:	12400 302 Cu. In. V-8 Option (Z28)
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	Not available
	Manual - 4 speed	15	Optional
	Overdrive	15	Not available
	Automatic	16	Not available
Axle ratio	Manual - 3 speed	17	Not available
	Manual - 4 speed	17	3.73:1
	Overdrive	17	Not available
	Automatic	17	Not available
Tire size		18	7.35 x 15
Engine	Type, no. cyl., valve arr.	3	90° V-8
	Fuel system (Carb., other)	10	Carburetor
	Bore and stroke	3	4.002 x 3.005
	Piston displ., cu. in.	3	302
	Std. compression ratio	3	11.0:1
	Max. bhp at engine rpm	3	290 @ 5800
	Max. torque at rpm	3	290 @ 5000 4200

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED _____ REVISED 10-1-67

GENERAL SPECIFICATIONS—DIMENSIONS

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

MODEL	SAE Ref. No.	12437 Coupe	12467 Convertible
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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

NOT AVAILABLE

Hip room	W86	-	
Effective leg room	L86	-	
Effective head room	H86	-	
Seat facing direction		-	

STATION WAGON—CARGO SPACE

NOT AVAILABLE

MODEL	SAE Ref. No.	-
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 _____ REVISED 03-1-67

12400

MODEL _____ 302 Cu. In. V-8 Option (Z28)

ENGINE—GENERAL

Type, no. cyls., valve arr.	90° OHV V-8
Bore and stroke (nominal)	4.002 x 3.005
Piston displacement, cu. in.	302
Bore spacing (C/L to C/L)	4.40
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
Compres. ratio (nominal)	11.0:1
Cylinder Head Material	Cast alloy iron
Cylinder Block Material	Cast alloy iron
Cylinder Sleeve-Wet, dry, none	None
Number of	Front Two
mounting points	Rear One
Engine installation angle	3°35'
Taxable $\frac{\text{Dis}^2 \times \text{No. Cyl.}}{\text{horsepower}}$	51.2
Publishing max. bhp* @ eng. RPM	290 @ 5800
Publishing max. torque* (lb. ft. @ RPM)	290 @ 4200
Recommended fuel regular - premium	Premium
Idle speed (spec.)	Manual 750
neutral or drive)	Automatic Not available

ENGINE—PISTONS

Material	Aluminum impact extruded
Description and finish	Domed head, slipper skirt
Weight (piston only) oz.	22.05
Clearance (limits)	Top land .0345-.0435
	Skirt Top .0024-.0030 (a)
	Bottom
Ring groove depth	No. 1 ring .2217-.2283
	No. 2 ring .2217-.2283
	No. 3 ring .2038-.2103
	No. 4 ring

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

(a) Measured 2.20 from top of piston

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED _____ REVISED 03-1-67

POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO **			
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		"A"	"B"	"C"	"D"
12437 12467	302 (Opt)	4-Bbl Down- draft	11.0:1	290 @ 5800	290 @ 4200	4-Spd(2.20:1 low)*	3.73	3.07	3.55	3.31 4.10 4.56 4.88

* - Optional

** - Also available in positraction for combinations shown

A - Standard

B - Economy

C - Performance

D - Special - optional (available in positraction only)

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED _____ REVISED 03-1-67

12400

MODEL _____ 302 Cu. In. V-8 Option (Z28)

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, No bevel, barrel face; Moly filled groove
	Lower	Cast alloy iron; Inside bevel, tapered face; chrome plate
	Width	.0770-.0775
	Gap	.013-.025
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	None
	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.)		14.56
Length (center to center)		5.699-5.701
Bearing	Material & Type	Premium aluminum
	Overall length	.807
	Clearance (limits)	.0007-.0027
	End play	.009-.013

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 12400 REVISED ^(*) 3-1-67MODEL 302 Cu.In. V-8 Option (Z28)**ENGINE—CRANKSHAFT**

Material		Forged steel	
Vibration damper type		Rubber mounted inertia	
End thrust taken by bearing (No.)		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		#1-(.0008-.0020) #2, 3 & 4 (.0008-.0024) #5-(.0015-.0031)
	Journal dia. and bearing overall length	No. 1	2.3003 x .752
		No. 2	2.3004 x .752
		No. 3	2.3004 x .752
		No. 4	2.3004 x .752
		No. 5	2.3009 x 1.177
		No. 6	None
		No. 7	None
Dir. & amt. cyl. offset			
Crankpin journal diameter		1.999-2.000	

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	40
		Width	.875
		Pitch	.500

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Not available	
Valve rotator, type (Intake, exhaust)		None	
Rocker ratio		1.50:1	
Operating tappet clearance (indicate hot or cold)	Intake	.025	
	Exhaust	.025	
Timing marks on flywheel, damper, other		Torsional damper	

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED _____ REVISED 03-1-67MODEL _____ 12400
302 Cu. In. V-8 Option (Z28)**ENGINE—VALVE SYSTEM (cont.)**

Timing	Intake	Opens (°BTC)	60° 50'	
		Closes (°ABC)	105° 23'	
		Duration-deg.	346° 13'	
	Exhaust	Opens (°BBC)	108° 50'	
		Closes (°ATC)	57° 23'	
		Duration-deg.	346° 13'	
	Valve opening overlap		118° 13'	
Intake	Material		Alloy steel	
	Overall length		4.870-4.889	
	Actual overall head dia.		2.017-2.023	
	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)		.4850	
	Outer spring press. and length	Valve closed (lb. @ in.)	76-84 @ 1.70	
		Valve open (lb. @ in.)	194-206 @ 1.25	
	Inner spring press. and length	Valve closed (lb. @ in.)	Spring damper	
		Valve open (lb. @ in.)	Spring damper	
	Exhaust	Material		High alloy steel-aluminized face
		Overall length		4.891-4.910
Actual overall head dia.		1.595-1.605		
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)		.4850		
Outer spring press. and length		Valve closed (lb. @ in.)	76-84 @ 1.70	
		Valve open (lb. @ in.)	194-206 @ 1.25	
Inner spring press. and length		Valve closed (lb. @ in.)	Spring damper	
		Valve open (lb. @ in.)	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	Centrif. oiled from camshaft bearing
	Cylinder walls	Pressure, jet cross sprayed

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 12400 REVISED 3-1-67

MODEL 302 Cu. In. V-8 Option (Z28)

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)	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)	Dual (a)
Muffler No. & type (reverse flow, straight thru, separate resonator)	Reverse flow
Exhaust pipe dia. Branch	2.00 x .057-.071
(O.D., wall thickness) Main	2.25 x .075-.091
Tail pipe diameter (O.D. & wall thickness)	2.25 x .062-.076

ENGINE— CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Ventilates to induction system
	Optional	--
Make and model		--
Location		Rear of carburetor
Energy source (manifold vacuum, carburetor air stream, other)		Manifold vacuum
Control Unit		
Control method (variable orifice, fixed orifice, other)		Variable orifice
Discharges (to intake manifold, carb. air intake, air cleaner intake, other)		Intake manifold
Complete system		
Air inlet (breather cap, carburetor air cleaner, other)		Breather cap
Flame arrester (screen, check valve, other)		Check valve

(a) Special Tuned sheet metal (header) & collector adapter also available as an option.

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED _____ REVISED '13-1-67

302 Cu. In. V-8

MODEL _____ Manual trans.

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.)	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	Holley
	Model	3916379
	Barrel size	1.56
Idle speed	Drive	750
	Neutral	
Aux. Adv. Systems (type)		None
Make		Delco-Remy
Model		1111266
Distributor	Cent'gal adv. in crank degrees @ eng. rpm.	1000
	Start (rpm)	24 @ 1950
	Intermed. points deg. @ rpm	32 @ 4150
	Max. deg. @ rpm.	
Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)	10
	Intermed. points deg. @ in. Hg	None
	Max. deg. @ in.	15 @ 17
	Vacuum Source	Carburetor
Timing - Crank degrees @ rpm		6 BTDC @ Idle
Cooling System (describe changes)		195° thermostat
Exhaust System (describe changes)		None

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 12400 REVISED 3-1-67

MODEL 302 Cu.In. V-8 Option (Z28)

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 (gals.)	18 (approximately)
	Filler location	Center of rear end panel
Fuel Pump	Type (elec. or mech.)	Mechanical
	Locations	Right side front of engine
	Pressure range	5.00-6.50
Vacuum booster (std., optional, none)		None
Fuel Filter	Type	Metal mesh strainer in gasoline tank
	Locations	and sintered bronze filter in carburetor inlet
Carburetor	Choke type	Automatic
	Intake manifold heat control (exhaust or water)	Exhaust
	Air cleaner type (a)	Oil-wetted paper

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
12400	302	4-Speed	Holley	3916377	One; four barrel	1.56
(a) Plenum Air System (consisting of Air cleaner and air cleaner duct assembly) available as an option.						

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 12400 REVISED 103-1-67MODEL 302 Cu. In. V-8 Option (Z28)**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)	177°-183°	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM @ 1000 pump rpm	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.)	16	
	Without heater (qt.)	15	
	Opt. equipment-specify (qt.)	-	
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)	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 modulated viscous fan
	Bearing type		Double row ball
*Drive belts (indicate belt used by letter)	Fan		A
	Generator or alternator		A
	Water Pump		A
	Power Steering		B
	Air Conditioning		-

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V		38°-42°									
Nominal length (SAE)	53.50	37.50									
Width	.380±.005										

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED 12400 REVISED 03-1-67

MODEL 302 Cu.In. V-8 Option (Z28)

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Delco #1980032
	Voltage Rtg. & Total Plates		12 volts 54 plates
	SAE Designation & Amp Hr. Rtg.		45 amp/hr @ 20 hr rate
	Location		Right front engine compartment
	Terminal grounded		Negative
Generator or Alternator	Make		Delco-Remy
	Model		#1100693
	Type and rating		Diode rectified - 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
	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		#1107496
	Rotation (drive end view)		Clockwise
	Engine cranking speed		--
	Test conditions		Engine at operating temperatures
	No load test	Amps	65-100
		Volts	10.6
RPM (min)		3600-5100	
Motor control	Switch (solenoid, manual)		Solenoid
	Starting procedure		<u>4-speed</u> - Place gear shift lever in neutral, depress clutch to floor. <u>Initial Start</u> - 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 _____ REVISED (#)3-1-67

12400

MODEL _____ 302 Cu.In. V-8 Option (Z28)

ELECTRICAL—STARTING SYSTEM (cont.)

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

ELECTRICAL—IGNITION SYSTEM

Coil	Transistorized - Std., Opt., N.A.		Not available
	Make		Delco-Remy
	Model		#1115039
	Amps	Engine stopped	4.0
Engine idling		1.8	
Distributor	Make		Delco-Remy
	Model		#1111266
	Cent'igal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	1000
		Intermediate points deg. @ rpm.	24 @ 1950
		Max. deg. @ rpm.	4150
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	10
		Intermediate points, deg. @ in. Hg.	None
		Max. deg. in. Hg.	15 @ 17
	Breaker gap (in.)		.019
	Cam angle (deg.)		28°-32°
Breaker arm tension (oz.)		19-23 oz	
Timing	Crankshaft deg. @ rpm.		6 BTDC @ 750
	Mark location		Torsional damper
Spark Plug	Make		AC spark plug
	Model		AC43
	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 12400 REVISED 1013-1-67
 MODEL 302 Cu. In. V-8 Option (Z28)

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		4-Speed
Type pressure plate springs		Single dry disc; semi-centrifugal
Total spring load (lb.)		Diaphragm-bent finger design
Na. of clutch driven discs		2450-2750
Clutch facing	Material	One
	Outside & inside dia.	Premium grade-woven asbestos
	Total eff. area (sq. in.)	11.0 & 6.5
	Thickness	123.70
	Engagement cushioning method	.1400 each
Release bearing		Flat spring steel between facings
Torsional damping		Type & method of lubrication
		Single row ball, packed and sealed
		Methods: springs, friction material
		Coil springs

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED _____ REVISED 03-1-67MODEL _____ 12400
302 Cu. In. V-8 Option (Z28)**DRIVE UNITS—TRANSMISSIONS**

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

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds		4-Speed
		4
Transmission ratios	In first	2.20
	In second	1.64
	In third	1.27
	In fourth	1.00
	In reverse	2.26
Synchronous meshing, specify gears		All forward gears
Shift lever location		Floor
Lubricant	Capacity (pt.)	3
	Type recommended	Military spec MIL-L-2105B
	SAE viscosity number	SAE 80
	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 12400 REVISED 03-1-67

MODEL 302 Cu. In. V-8 Option (Z28)

DRIVE UNITS—AUTOMATIC TRANSMISSION – NOT AVAILABLE

Trade name	
Type describe	
Method of Selection (Lever, Push Button or other)	
Selector Pattern	
List gear ratios Selector Pattern and indicate which are used in each selector position	
Max. upshift speeds—drive range	
Max. kickdown speeds—drive range	
Torque converter	Number of elements Max. ratio at stall Type of cooling (air, liquid)
Lubricant	Capacity—refill (pt.) Type recommended
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
	Not available
	Manual 4-speed transmission
	2.75 x 49.96 x .065
	Overdrive transmission
	Not available
	Automatic transmission
	Not available

*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 12400 REVISED 03-1-67

MODEL 302 Cu. In. V-8 Option (Z28)

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 trunion, cross, other)	Cross
	Bearing	Type (plain, anti-friction) Lubric. (fitting, prepack)
		Anti-friction Prepack
Drive taken through (torque tube or arms, springs)		Mono-leaf rear spring & radius rods
Torque taken through (torque tube or arms, springs)		Mono-leaf rear spring & radius rods

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)		8.875
Pinion adjustment (shim, other)		None
Pinion bearing adj. (shim, other)		Shim
Wheel bearing type		Single row cylindrical roller
Lubricant	Capacity (pt.)	4.0
	Type recommended	Military specs MIL-L-2105-B
	SAE viscosity number	Summer Winter Extreme cold
		SAE 80 SAE 80 SAE 80

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 4 for axle ratio usage)

Axle ratio		3.07	3.31	3.55	3.73	4.10	4.56	4.88
No. of teeth	Pinion	14	13	11	11	10	9	8
	Ring gear	43	43	39	41	41	41	39

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED _____ REVISED 103-1-67MODEL 12400**DRIVE UNITS—WHEELS**

Type & material		Short spoke spider
Rim (size and flange type)	Std.	15 x 5-1/2
	Opt.	--
Attachment	Type (bolt or stud)	Stud
	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 15
	Type - Nylon, etc.	Original equipment
Rev./mile at 50 mph.		NA
Inflation press. (cold)	Front	24
	Rear	24
Optional tires - size and ply		-

BRAKES—SERVICE

BASE

HEAVY DUTY (OPT)

Type (duo-servo, disc, balanced, etc.)		Front-Disc; Rear- Duo-Servo	
Self adjusting (std., opt., N.A.)		Standard	
Hydraulic system type (single, dual, etc.)		Dual	
Power brake make & type (remote, integral, etc.)		Bendix Deico-Moraine vacuum power unit assists master cylinder; integral	
Effective area (sq. in.) *		114.0	91.5
Gross lining area (sq. in.) **		118.1	95.6
Swept drum area (sq. in.) ***		332.4	268.6
Percent brake effectiveness—front		58.9	
Drum or Rotor	Diameter	Front	11.0
		Rear	9.5
	Type and material		Cast iron (a)
	Rotor (vented or solid)		Vented
	No. pistons per caliper		4
Wheel cyl- inder bore	Front	1.875	
	Rear	.875	
Master cylinder bore		1.00	
Available pedal travel		4.5	
Line pressure at 100 lb. pedal load		-	
Shoe clearance adjustment		Self-adjusting	

* Excludes rivet holes, grooves, chamfers, etc.

(Continued)

** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes:

Widest lining contact width for each brake x its drum circumference.

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED _____ REVISED (03-1-67)MODEL 12400**BRAKES—SERVICE (cont.)**

			Base	Heavy Duty (Opt)
Brake lining	Drum or Disc		Front-Disc; Rear-Drum	
	Bonded or riveted		Frt.-Riveted; Rear-Bonded	Frt.-Riveted; Rear-Welded
	Front Wheel	Material	Molded asbestos	
		Size (length x width x thickness)	5.96 x 2.21 x .41	
		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	Molded asbestos	
		Size (length x width x thickness)	9.01 x 2.00 x .17	
		Prim. or out-board	1.64 x 2.00 x .150	
		Second. or in-board	1.64 x 2.00 x .265	
		Segments per shoe	One	
			3 Primary; 5 secondary	

BRAKES—PARKING

Type of control	Pulley-cable linkage-footpedal apply-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.)	39.7		
		Curb to curb (l. & r.)	37.0		
	Inside rear	Wall to wall (l. & r.)	20.6		
		Curb to curb (l. & r.)	21.1		
Outside wheel angle with inside wheel at 20°			18.5		
Manual	Gear	Type		Semi-reversible; recirculating ball nut	
		Make		Saginaw	
		Ratios	Gear	Std. 24:1	Fast 20:1
			Overall	Std. 21:5	Fast 17:8
	No. wheel turns		4.0 lock to lock		

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED _____ REVISED (#) 3-1-67

MODEL _____ 12400

STEERING (cont.)

Power	Type (coaxial, linkage, etc.).			Coaxial
	Make			Saginaw
	Gear	Type		Same as manual
		Ratios	Gear	17.5:1
			Overall	Std. 17.5:1
	Pump driven by			Crankshaft pulley
Number wheel turns			3.0 lock to lock	
Linkage	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 REVISED 103-1-67MODEL 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

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.) 11.09 x 3.63 122.18 x .629
	Spring rate (lb. per in.) 347
	Rate at wheel (lb. per in.) 120
Stabilizer	Type (link, linkless, frameless) Link
	Material & bar diameter HR steel .6875

SUSPENSION—REAR

Type and description	Salisbury rear axle with two single leaf springs
Drive and torque taken through	Rear springs & radius rods
Spring	Type Single-leaf
	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.) 131
	Mounting insulation type Rubber bushed at shackle and hanger
	If leaf No. of leaves One
	Shackle (comp. artens) Compression
Stabilizer	Type (link, linkless, frameless) None
	Material ---
Track bar type	None

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED _____ REVISED '03-1-67

MODEL _____ 12437 12467

BODY—MISCELLANEOUS INFORMATION

Doors 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		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

CONVERTIBLE

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

* If single headlamps are used enter here.

AMA Specifications—Passenger Car

MAKE OF CAR Camaro MODEL YEAR 1967 DATE ISSUED _____ REVISED 03-1-67MODEL 12437 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)		Not available	
Speed warning device		Optional	
Speed control device		Optional	
Ignition lock lamp		Not available	
Back up lamp		Standard	
Dome lamp		Standard 12437	Not available
Glove compartment lamp		Optional	
kg. brake signal lamp		Standard	
Luggage compartment lamp		Optional	
Underhood lamp		Optional	
Courtesy lamp		Optional 12437	Standard 12467
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 warning and Parking brake light		Standard	
Steering column energy absorbing		Standard	

AMA Specifications—Passenger Car

INDEX

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