

AMA Specifications—Passenger Car

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MANUFACTURER	Pontiac Motor Division General Motors Corporation	CAR NAME	Pontiac - Catalina, Executive, Bonneville & Grand Prix
MAILING ADDRESS	Pontiac, Michigan 48053	MODEL YEAR	1967
		ISSUED:	8-26-66
		REVISED (a)	

NOTES:

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

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BODY—TYPES AND STYLE NAMES—

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

BODY STYLE NUMBER

Body Type	Number of Passengers	Catalina	Executive	Bonneville	Grand Prix
4 Door Sedan	6	25269	25669		
2 Door Sedan	6	25211			
4 Door Hardtop	6	25239	25639	26239	
Hardtop Coupe	6	25287	25687	26287	26657*
Convertible	6	25267		26267	26667*
Station Wagon, 4 Dr.	2 Seat	25235	25635		
Station Wagon, 4 Dr.	3 Seat	25245	25645	26245	

*5 Passenger Capacity - Bucket Front Seats Standard

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GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL		Additional Information Page No.:	Catalina 25269	Executive 25669	Bonneville 26239	Grand Prix 26657
Wheelbase (L101)			121	124 (a)		121
Track	Front (W101)	63				
	Rear (W102)	64				
Maximum Overall Dimensions	Length (L103)	215.6 (b)	222.6 (b)			215.6
	Width (W103)	79.7			79.4	
	Height (H101)	55.3	55.6	54.6	54.2	
Transmission (Specify trade name - opt., not available)	Manual - 3 speed; 4 & 15	Standard				
	Manual - 4 speed 4 & 15	Optional				
	Overdrive 15	None				
	Automatic 4 & 16	Turbo Hydra-Matic, Optional				
Axle ratio	Manual - 3 speed 4 & 17	3.23:1				
	Manual - 4 speed 4 & 17	3.42:1				
	Overdrive 17	None				
	Automatic 4 & 17	2.29:1	2.56:1			2.73:1
Tire size		18	8.25 x 14 (c)	8.55 x 14		
Engine	Type, no. cyl., valve arr.	3	90°V, 8, In-Head			
	Fuel system (Carb., other)	10	Carburetor			
	Bore and stroke	3	4.1200 x 3.746 4.1224 x 3.754			
	Piston displ., cu. in.	3	400			
	Std. compression ratio	3	8.6:1		10.5:1	
	Max. bhp at engine rpm	3	265 @ 4600		333 @ 5000	350 @ 5000
	Max. torque at rpm	3	397 @ 2400		445 @ 3000	440 @ 3200

(a) All styles except station wagons which are 121

(b) All styles except station wagons which are 218.4

(c) 8.55 x 14 tire standard on all except 25269 and 25211 models - 8.55 x 14 standard on 25269 and 25211 when air conditioned

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GENERAL SPECIFICATIONS—DIMENSIONS

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

MODEL	SAE Ref. No.	Catalina 25269	Executive 25669	Bonneville 26239	Grand Prix 26657
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FRONT COMPARTMENT

Shoulder room	W3	62.3	62.3	62.3	62.4
Hip room	W5	63.7	63.7	63.8	63.8
Max. eff. leg room - accelerator	L34	42.7	42.7	42.3	42.3
Effective head room	H61	38.4	38.3	37.9	37.7
H Point to Heel point	H30	8.8	8.8	8.5	8.3

REAR COMPARTMENT

Shoulder room	W4	61.4	61.4	61.4	61.0
Hip room	W6	62.4	62.4	62.5	55.3
Minimum effective leg room	L51	38.1	38.1	37.5	35.2
Effective head room	H63	37.7	37.6	37.1	37.1

LUGGAGE COMPARTMENT

Usable luggage capacity	V1	20.2	21.1	21.1	19.4
Liftover height	H195	31.2	31.2	31.2	31.2
Position of spare tire storage		Inclined at Forward End of Compartment			
Method of holding lid open		Torsion Bar Counterbalance			

STATION WAGON—THIRD SEAT

		Catalina 25245	Executive 25645	Bonneville 26245
Hip room	W86		48.9	
Effective leg room	L86		33.2	
Effective head room	H86		36.2	
Seat facing direction		Rearward		

STATION WAGON—CARGO SPACE

MODEL	SAE Ref. No.	Catalina 25235 25245	Executive 25635 25645	Bonneville 26245
Minimum distance between wheel houses at floor level	W201	48.9		
Rear end opening width at belt	W204	52.4		
Floor length from back of front seat at floor level to inside of closed tail gate	L202	93.7		93.5
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	84.5		
Maximum height - floor covering to headlining at centerline of rear axle	H201	30.6		30.3
Maximum height of rear opening - tail and lift gates open	H202	28.7		28.4
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	91.7 (a)		90.8 (a)

(a) Add 8.9 cu. ft. for compartment under floor on 25235 and 25635 styles, add 4.2 cu. ft. on 25245 and 25645 styles and 3.9 cu. ft. on the 26245 style.

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						Optional
MODEL	Catalina	Executive	Bonneville	Grand Prix		428 Cu. In. Engines

ENGINE—GENERAL

Type, no. cyls., valve arr.		90°V, 8, In-Head				
Bore and stroke (nominal)		$\frac{4.1200}{4.1244} \times \frac{3.746}{3.754}$			$\frac{4.1200}{4.1244} \times \frac{3.996}{4.004}$	
Piston displacement, cu. in.		400			428	
Bore spacing (C/L to C/L)		4.62				
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)		8.6:1	10.5:1		10.5:1	10.75:1
Cylinder Head Material		Alloy Cast Iron				
Cylinder Block Material		Alloy Cast Iron				
Cylinder Sleeve-Wet, dry, none		None				
Number of	Front	Two				
mounting points	Rear	One				
Engine installation angle		4°				
Taxable horsepower	$\frac{\text{Dia}^2 \times \text{No. Cyl.}}{2.5}$	54.3				
Publishing max. bhp* @ eng. RPM		265 @ 4600	333 @ 5000	350 @ 5000	360 @ 4600	376 @ 5100
Publishing max. torque* (lb. ft. @ RPM)		397 @ 2400	445 @ 3000	440 @ 3200	472 @ 3200	462 @ 3400
Recommended fuel regular - premium		Regular (a)	Premium			
Idle speed (spec. neutral or drive)	Manual	600 (In Neutral)**			700 (In Neutral)	
	Automatic	500 (In Drive)**			600 (In Drive)	

ENGINE—PISTONS

Material		Aluminum Alloy	
Description and finish		Cam Ground Slipper Type - Tin Plated	
Weight (piston only) oz.		22.100 - 22.305	19.984 - 20.164
Clearance (limits)	Top land	.0177 - .0230	.0252 - .0305
	Skirt	Top	.0022 - .0028
		Bottom	.0017 - .0033
Ring groove depth	No. 1 ring	3.667 - 3.677	.0025 - .0041
	No. 2 ring	3.667 - 3.677	
	No. 3 ring	3.670 - 3.680	
	No. 4 ring	None	

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

**100 RPM higher setting required on exhaust emission control cars.

(a) Premium fuel required with standard engine for Turbo Hydra-Matic equipped cars and all optional engines having 10.5:1 or 10.75:1 compression ratio.

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POWER TEAMS

(Indicate whether standard or optional)

Model Availability	ENGINE					TRANSMISSION	AXLE RATIO (Std. First)
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		
Catalina 252							
Executive 256							
Bonneville 262							
Grand Prix 266							
STANDARD ENGINES							
252 & 256	400	2 Bbl.	8.6:1	265 @ 4600	397 @ 2400	Manual (a)	3.23:1, 3.08:1 (b) (c)
262	400	4 Bbl.	10.5:1	333 @ 5000	445 @ 3000	Manual (a)	3.23:1, 3.08:1 (b) (c)
266	400	4 Bbl.	10.5:1	350 @ 5000	440 @ 3200	Manual (a)	3.23:1, 3.42:1 (b) (c)
2 + 2 Option (25267 & 25287)	428	4 Bbl.	10.5:1	360 @ 4600	472 @ 3200	Manual (a)	3.42:1 (j)
OPTIONAL ENGINES							
Regular Fuel Automatic							
252, 256 & 262	400	2 Bbl.	8.6:1	265 @	397 @	Turbo Hydra-Matic	2.41:1 (e) (f)
266	400	2 Bbl.	8.6:1	4600	2400	Turbo Hydra-Matic	2.56:1 (g)
Standard Automatic							
25269 & 25211	400	2 Bbl.	10.5:1	290 @	428 @	Turbo Hydra-Matic	2.29:1, 2.73:1 (e)
25239	400	2 Bbl.	10.5:1	4600	2500	Turbo Hydra-Matic	2.41:1, 2.29:1, 2.93:1 (e)
25267, 87, 35 & 45	400	2 Bbl.	10.5:1			Turbo Hydra-Matic	2.46:1, 2.41:1, 2.93:1 (g)
256	400	2 Bbl.	10.5:1			Turbo Hydra-Matic	2.56:1, 2.41:1, 2.93:1 (g)
26239 & 26287	400	4 Bbl.	10.5:1	325 @	445 @	Turbo Hydra-Matic	2.46:1, 2.41:1, 2.93:1 (g)
26267 & 26245	400	4 Bbl.	10.5:1	4800	2900	Turbo Hydra-Matic	2.73:1, 2.56:1, 3.08:1 (h)
266	400	4 Bbl.	10.5:1	350 @ 4800	440 @ 3000	Turbo Hydra-Matic	2.73:1, 2.56:1, 3.08:1 (h)
2 + 2 Option (25267 & 25287)	428	4 Bbl.	10.5:1	360 @ 4600	472 @ 3200	Turbo Hydra-Matic	3.42:1 (d)
Premium Fuel Engine Options							
252 & 256	400	4 Bbl.	10.5:1	333 @ 5000	445 @ 3000	Manual (a)	3.23:1 (b) (c)
252 & 256	400	4 Bbl.	10.5:1	325 @ 4800	445 @ 2900	Turbo Hydra-Matic	2.73:1, 2.41:1 (h)
428 4 Barrel Carburetor Option							
252, 256, 262 & 266	428	4 Bbl.	10.5:1	360 @	472 @	Manual (a)	3.23:1 (b) (c)
252, 256, 262 & 266	428	4 Bbl.	10.5:1	4600	3200	Turbo Hydra-Matic	3.08:1, 2.56:1, 3.23:1 (k)
428 4 Barrel HO Engine Option							
252, 256, 262 & 266	428	4 Bbl.	10.75:1	376 @	462 @	Manual (a)	3.42:1 (c)
252, 256, 262 & 266	428	4 Bbl.	10.75:1	5100	3400	Turbo Hydra-Matic	3.42:1 (d)

(a) 3-speed standard, 4-speed optional

(b) 3.42:1 ratio with optional 4-speed manual transmission with or without air conditioning

(c) 3.23:1 ratio with air conditioning

(d) 3.08:1 ratio with air conditioning

(e) 2.41:1 ratio with air conditioning

(f) Except convertible and station wagon which are same as 266 series

(g) 2.56:1 ratio with A/C

(h) 2.73:1 ratio with A/C

(j) 3.42:1 ratio with A/C

(k) 2.93:1 ratio with A/C

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MODEL	Catalina	Executive	Bonneville	Grand Prix	Optional 428 Cu. In. Engines	

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 Iron - Taper Faced No. 1 - Channel Moly Filled No. 2 - Lubrite Finish	Cast Iron - Taper Faced No. 1 - Channel Moly Filled No. 2 - Tin Plated (a)
	Width	No. 1 - .0778, No. 2 - .0775	
	Gap	No. 1 - .020, No. 2 - .018	
Oil	Description - material, coating, etc.	Multi-piece (2 rails and 1 expander); Rails - Steel with chrome plated O. D.; Expander - Stainless Steel	
	Width	.186	
	Gap	.035	
Expanders		In Oil Ring Assembly	

ENGINE—PISTON PINS

Material	SAE 1016 Steel		
Length	3.25		
Diameter	.9802		
Type	Locked in rod, in piston, floating, etc.		Locked in Rod
	Bushing	In rod or piston	None
	Material		None
Clearance	In piston		.0005-.0007
	In rod		Press Fit
Direction & amount offset in piston	To Right - .063		

ENGINE—CONNECTING RODS

Material	Arma Steel		
Weight (oz.)	31.7		
Length (center to center)	6.625		
Bearing	Material & Type		Moraine 100-A (b) Moraine 400-A (b)
	Overall length		.88
	Clearance (limits)		.0005 - .0025 .0005-.0026
	End play		.006 - .011 (Total for Two)

(a) Optional 428 H.O. engines use channel moly filled reverse twist rings in both No. 1 and No. 2 locations.

(b) Steel backed, removable - precision.

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MODEL	Catalina	Executive	Bonneville	Grand Prix	Optional 428 Cu. In. Engines	

ENGINE—CRANKSHAFT

Material	Nodular Iron		(a)
Vibration damper type	Rubber Floated Weight		
End thrust taken by bearing (No.)	4		
Crankshaft end play	.0035 - .0085		
Main bearing	Material & type		Durex 100-A* Steel Backed, Removable - Precision
	Clearance		.0002 - .0017 .0005 - .0021
	Journal dia. and bearing overall length	No. 1	3.00 x .94 3.25 x .94
		No. 2	3.00 x .94 3.25 x .94
		No. 3	3.00 x .94 3.25 x .94
		No. 4	3.00 x 1.13 3.25 x 1.19
		No. 5	3.00 x 1.59 3.25 x 1.59
		No. 6	None
		No. 7	None
	Dir. & amt. cyl. offset		None
Crankpin journal diameter		2.25	

ENGINE—CAMSHAFT

Location	Between Cylinder Banks		
Material	Hardened Alloy Cast Iron		
Bearings	Material	High Lead Babbitt on Steel	
	Number	5	
Type of Drive	Gear or chain		Chain
	Crankshaft gear or sprocket material		Carburized and Hardened Steel
	Camshaft gear or sprocket material		Aluminum Alloy with Nylon Covered Teeth
	Timing chain	No. of links	60
		Width	.88 (Morse) - 1.00 (Link Belt)
		Pitch	.375

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Standard
Valve rotator, type (intake, exhaust)		None
Rocker ratio		1.5
Operating tappet clearance (indicate hot or cold)	Intake	0
	Exhaust	0
Timing marks on flywheel, damper, other		(See Page 13)

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(a) Pearlitic Malleable Iron

* M-400 in lower half of No. 4 and in all locations in 428 cu. in. engines.

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		V-400 2 Bbl.		V-400 4 Bbl. Except G. P.			
MODEL		Regular Fuel	Premium Fuel	Man. Trans.	Auto. Trans.		

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	22	23	30	
		Closes (°ABC)	67	70	63	
		Duration-deg.	269	273	273	
	Exhaust	Opens (°BBC)	72	78	77	
		Closes (°ATC)	25	31	25	
		Duration-deg.	277	289	282	
	Valve opening overlap		47°	54°	55°	
Intake	Material		SAE-1041 With Aluminum Treatment on Face			
	Overall length		4.7325	4.8875	4.8875	4.8875
	Actual overall head dia.		1.923-1.917	1.923-1.917	1.923-1.917	1.923-1.917
	Angle of seat & face		30° Seat - 29° Face			
	Seat insert material		Not Used			
	Stem diameter		.34			
	Stem to guide clearance		.0016 - .0033			
	Lift (@zero lash)		.375 [±] .011	.407 [±] .011	.407 [±] .011	
	Outer spring press. and length	Valve closed (lb.@ in.)	59 @ 1.586	59 @ 1.586	59 @ 1.586	
		Valve open (lb.@ in.)	122 @ 1.211	127 @ 1.179	127 @ 1.179	
	Inner spring press. and length	Valve closed (lb.@ in.)	28 @ 1.566	28 @ 1.566	28 @ 1.566	
		Valve open (lb.@ in.)	87 @ 1.191	92 @ 1.159	92 @ 1.159	
	Exhaust	Material		21-2N Steel with Alum. Treatment on Face & Chrome Plated Stem		
		Overall length		4.7215	4.8765	4.8765
Actual overall head dia.		1.643-1.637	1.643-1.637	1.643-1.637	1.643-1.637	
Angle of seat & face		45° Seat - 44° Face				
Seat insert material		Not Used				
Stem diameter		.34				
Stem to guide clearance		.0021 - .0038				
Lift (@zero lash)		.410 [±] .011	.411 [±] .011	.412 [±] .011		
Outer spring press. and length		Valve closed (lb.@ in.)	59 @ 1.586	59 @ 1.586	59 @ 1.586	
		Valve open (lb.@ in.)	128 @ 1.176	128 @ 1.175	128 @ 1.174	
Inner spring press. and length		Valve closed (lb.@ in.)	28 @ 1.566	28 @ 1.566	28 @ 1.566	
		Valve open (lb.@ in.)	93 @ 1.156	93 @ 1.155	93 @ 1.154	

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	Metered Jet
	Cylinder walls	Metered Jet

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MODEL	V-400 4 Bbl. Grand Prix		V-428 4 Bbl.			
	Man. Trans.	Auto. Trans.	Man. Trans.	Auto. Trans.		

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	23	30	23	30	
		Closes (°ABC)	70	63	70	63	
		Duration-deg.	273	273	273	273	
	Exhaust	Opens (°BBC)	78	77	78	77	
		Closes (°ATC)	31	25	31	25	
		Duration-deg.	289	282	289	282	
	Valve opening overlap		54°	55°	54°	55°	
Intake	Material		SAE-1041 With Alum. Treatment on Face				
	Overall length		5.0625				
	Actual overall head dia.		2.113 - 2.107				
	Angle of seat & face		30° Seat - 29° Face				
	Seat insert material		Not Used				
	Stem diameter		.34				
	Stem to guide clearance		.0016 - .0033				
	Lift (@ zero lash)		.410 ± .011				
	Outer spring press. and length	Valve closed (lb. @ in.)	59 @ 1.586				
		Valve open (lb. @ in.)	128 @ 1.176				
	Inner spring press. and length	Valve closed (lb. @ in.)	28 @ 1.566				
		Valve open (lb. @ in.)	93 @ 1.156				
	Exhaust	Material		21-2N Steel with Alum. Treatment on Face & Chrome Plated Stem			
		Overall length		5.0515			
Actual overall head dia.		1.773 - 1.767					
Angle of seat & face		45° Seat - 44° Face					
Seat insert material		Not Used					
Stem diameter		.34					
Stem to guide clearance		.0221 - .0038					
Lift (@ zero lash)		.413 ± .011	.414 ± .011	.413 ± .011	.414 ± .011		
Outer spring press. and length		Valve closed (lb. @ in.)	59 @ 1.586	59 @ 1.586	59 @ 1.586	59 @ 1.586	
		Valve open (lb. @ in.)	128 @ 1.173	128 @ 1.172	128 @ 1.173	128 @ 1.172	
Inner spring press. and length		Valve closed (lb. @ in.)	28 @ 1.566	28 @ 1.566	28 @ 1.566	28 @ 1.566	
		Valve open (lb. @ in.)	93 @ 1.153	93 @ 1.152	93 @ 1.153	93 @ 1.152	

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	Metered Jet
	Cylinder walls	Metered Jet

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		V-428 4 Bbl. HO Engine Option				
MODEL	Manual Transmission		Automatic Transmission			

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	31			
		Closes (°ABC)	77			
		Duration - deg.	288			
	Exhaust	Opens (°BBC)	90			
		Closes (°ATC)	32			
		Duration - deg.	302			
	Valve opening overlap		63°			
Intake	Material		SAE-1041 with Aluminum Treatment on Face & Chrome Plated Stem			
	Overall length		5.0625			
	Actual overall head dia.		2.113 - 2.107			
	Angle of seat & face		30° Seat - 29° Face			
	Seat insert material		Not Used			
	Stem diameter		.34			
	Stem to guide clearance		.0016 - .0033			
	Lift (@ zero lash)		.414 + .011			
	Outer spring press. and length	Valve closed (lb. @ in.)	59 @ 1.586			
		Valve open (lb. @ in.)	128 @ 1.172			
	Inner spring press. and length	Valve closed (lb. @ in.)	47.5 @ 1.566	28 @ 1.566		
		Valve open (lb. @ in.)	111 @ 1.152	93 @ 1.152		
	Exhaust	Material		21-2N Steel with Alum. Treatment on Face & Chrome Plated Stem		
Overall length		5.0515				
Actual overall head dia.		1.773 - 1.767				
Angle of seat & face		45° Seat - 44° Face				
Seat insert material		Not Used				
Stem diameter		.34				
Stem to guide clearance		.0021 - .0038				
Lift (@ zero lash)		.413 + .011				
Outer spring press. and length		Valve closed (lb. @ in.)	59 @ 1.586			
		Valve open (lb. @ in.)	128 @ 1.173			
Inner spring press. and length		Valve closed (lb. @ in.)	47.5 @ 1.566	28 @ 1.566		
		Valve open (lb. @ in.)	111 @ 1.153	93 @ 1.153		

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	Metered Jet
	Cylinder walls	Metered Jet

(Continued)

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MODEL	Catalina	Executive	Bonneville	Grand Prix		

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Spur Gear		
Normal oil pressure (lb. @ engine rpm)	30 to 40 above 2600 RPM*		
Oil pressure sending unit (elect. or mech.)	Electric		
Type oil intake (floating, stationary)	Stationary Screen		
Oil filter system (full flow, partial, other)	Full Flow		
Filter replacement (element, complete)	Complete		
Capacity of crankcase, less filter-refill (qt.)	6		
Oil grade recommended (SAE viscosity and temperature range)	Anticipated Lowest Temp.	Single Viscosity SAE Number	Acceptable Alternate
	Above Freezing (+32°F.)	20W	10W-30
	Below Freezing (0°F. to 32°F.)	10W	10W-30
	Below Zero	5W	5W-20
Engine Service Requirement (MM, MS, etc.)	MS		

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single with Crossover (d)	Dual (d)
Muffler No. & type (reverse flow, straight thru, separate resonator)	One - Reverse Flow with Separate Resonator	Two-Reverse Flow w/Sep. Resonators
Exhaust pipe dia. (O.D., wall thickness)	2.00 x .076	Not Used
Branch	2.25 x .076 (d)	2.00 x .060 (d)
Main	2.25 x .048 Aluminized (a)(d)	2.00 x .048 (b)(d)
Tail pipe diameter (O.D. & wall thickness)		

ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Induction System
	Optional	None
Control Unit	Make and model	AC Type CV 679
	Location	Push Rod 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)	Breather Cap (c)
	Flame arrestor (screen, check valve, other)	Check Valve

* 55 to 60 above 2600 RPM on optional 428 HO engines.

(a) 2.00 x .048 outlet - all except Catalina 3 sp. manual with 2 bbl. carburetor where 2.00 x .048 tail pipe and 1.75 x .048 outlet is used.

(b) Aluminized - outlet is 1.75 x .048.

(c) Closed crankcase vent system (for California) takes air through air filter element in carburetor air cleaner.

(d) Optional dual system on 428 cu. in. (std. on 2 + 2) has 2.25" tailpipes with 2.00" resonator outlets. All dual system exhaust pipes are 2.00" except 428 HO option where pipe is 2.25".

AMA Specifications—Passenger Car

MAKE OF CAR	Pontiac	MODEL YEAR	1967	DATE ISSUED	8-26-66	REVISED (a)
MODEL	Catalina	Executive	Bonneville	Grand Prix		

ENGINE—EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)			Air Injection								
Air Injection Pump	Type		Vane								
	Displacement		19.3								
	Drive ratio		1.20:1 (a)								
	Drive type		Belt								
	Relief valve (type)		Spring Loaded Disc								
	Filter (describe)		Carburetor Air Cleaner								
Air Injection System	Air distribution (head, manifold, etc.)		Cylinder Head								
	Point of entry		Exhaust Port								
	Injection tube I/D		None - .25 Dia. Drilled Hole								
	Check valve type		Viton Disc								
	Backfire protection (type)		Vacuum Controlled Air Diverter Valve								
Carburetor	Make		Same as Standard								
	Model		AFB - 4245S (b)		7037263 (c)						
	Barrel size		Same as Standard								
	Idle speed	Drive	600 RPM (Automatic Transmission)								
		Neutral	700 RPM (Manual Transmission)								
Distributor	Aux. Adv. Systems (type)		Declaration Spark Advance Valve With 4-bbl. Manual Transmission								
	Make		Delco-Remy								
	Model		1111254 (d)		1111244 (e)		1111237 (f)		1111252 (g)		
	Cent'gal adv. in crank degrees @ eng. rpm	Start (rpm)	800								
		Intermed. points deg. @ rpm	10-14 @ 2000		17-21 @ 1900		21-25 @ 2000		26-30 @ 4600		
			18-22 @ 4600		26-30 @ 4600		26-30 @ 4600		26-30 @ 4600		
	Max. deg. @ rpm	18-22 @ 6000		26-30 @ 6000		26-30 @ 6000		26-30 @ 6000		26-30 @ 6000	
		Vacuum adv. in. crank degrees @ eng. rpm	Start (in Hg) Intermed. points deg @ in. Hg Max. deg. @ in	Vacuum advance is same as corresponding engine distributor used on car without exhaust emission control system except that double acting vacuum diaphragm provides 10° spark retard with closed throttle on 4 bbl. manual transmission engines (2 bbl. manual transmission and 4 bbl. automatic transmission same as standard).							
	Vacuum Source		Spark Ports in Carburetor								
	Timing Crank degrees @ rpm			6° BTC @ Hot Idle (All Hoses Disconnected)							
Cooling System (describe changes)			Non-air conditioned cars: Higher performance fan. Air conditioned cars: Grand Prix uses higher performance radiator - other series have higher performance fan and fan clutch plus fan drive ratio increased to 1.25:1								
Exhaust System (describe changes)			Same as Standard								

(a) 1.44:1 with air conditioning.

(b) 400 cu. in. 4-bbl. with manual trans. - automatic trans. same as std.

(c) 428 cu. in. 4-bbl. with manual trans. - automatic trans. same as std.

(d) 400 cu. in. 4-bbl. manual trans. engine except G.P. - automatic trans. same as std.

(e) 400 cu. in. 4-bbl. G.P. manual trans. engine - automatic trans. same as std.

(f) 428 cu. in. 4-bbl. manual trans. engine - automatic trans. same as std.

(g) 428 cu. in. HO 4-bbl. manual trans. engine - automatic trans. same as std.

AMA Specifications—Passenger Car

MAKE OF CAR	Pontiac	MODEL YEAR	1967	DATE ISSUED	8-26-66	REVISED ^(a)
MODEL	Catalina	Executive	Bonneville	Grand Prix		

ENGINE—EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Engine Modifications (a)	
Air Injection Pump	Type	None	
	Displacement	"	
	Drive ratio	"	
	Drive type	"	
	Relief valve (type)	"	
	Filter (describe)	"	
Air Injection System	Air distribution (head, manifold, etc.)	None	
	Point of entry	"	
	Injection tube I.D.	"	
	Check valve type	"	
	Backfire protection (type)	"	
Carburetor	Make	Rochester Products	
	Model	Special	
	Barrel size	Same as Standard	
	Idle speed	Drive	600 RPM (Turbo Hydra-Matic Trans.)
		Neutral	---
Distributor	Aux. Adv. Systems (type)	None	
	Make	Delco Remy	
	Model	1111261	
	Cent'gal adv. in crank degrees @ eng. rpm.	Start (rpm)	800
		Intermed. points deg. @ rpm	10-14 @ 2000
			18-22 @ 4600
		Max. deg.@rpm.	18-22 @ 6000
	Vacuum adv. in. crank degrees @ eng. rpm	Start (in Hg) Intermed. points deg.@ in. Hg Max. deg.@ in.	Vacuum advance is same as corresponding engine distributor used on car without exhaust emission control system except that double acting vacuum diaphragm provides 10° spark retard with closed throttle.
Vacuum Source		Spark Ports in Carburetor	
Timing - Crank degrees @ rpm		6° BTC at hot idel (all hoses disconnected)	
Cooling System (describe changes)		Same as Standard	
Exhaust System (describe changes)		Same as Standard	

(a) Used on Regular Fuel Automatic Transmission option engine in all series.

AMA Specifications—Passenger Car

MAKE OF CAR	Pontiac	MODEL YEAR	1967	DATE ISSUED	8-26-66	REVISED (a)
MODEL	Catalina	Executive	Bonneville	Grand Prix		

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.)		26.5 (except 24.0 on Station Wagon)	
	Filler location		Center Rear (except L. R. Fender on Station Wagon)	
Fuel Pump	Type (elec. or mech.)		Mechanical	
	Locations		Left Front of Engine	
	Pressure range		5.0 to 6.5	
Vacuum booster (std., optional, none)			None	
Fuel Filter	Type		Plastic Fabric in Fuel Tank and	
	Locations		Sintered Bronze in Carburetor Inlet	
Carburetor	Choke type		Automatic	
	Intake manifold heat control (exhaust or water)		Exhaust	
	Air cleaner type	Standard	Wetted Plastic Foam (d)	
		Optional	Two Stage - Wetted Plastic Foam over Paper Element (c)	

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type *	Bbl. Size	No. of Bbls.
			Make	Model**			
252 & 256	400	Manual	Rochester	7027066	One	1.688	2
252 & 256	400	Automatic	Rochester	7027060	One	1.688	2
All w/reg. fuel opt.	400	Automatic	Rochester	7027060	One	1.688	2
262 & 266 Std., 252 & 256 Opt.	400	Manual	Carter	AFB-4243S	One	(a)	4
262 & 266 Std., 252 & 256 Opt.	400	Automatic	Carter	AFB-4242S	One	(a)	4
All w/428 eng. opt.	428	Manual	Rochester or Carter	7027263	One	(b)	4
All w/428 eng. opt.	428	Automatic	Rochester or Carter	7027262	One	(b)	4

(a) 1.438 Primary, 1.688 Secondary.

(b) 1.375 Primary, 2.25 Secondary.

(c) Available on 2 + 2 only in combination with air injection or closed CC ventssystem.

(d) Paper element cleaner standard with 428 HO engine option.

* All downdraft type.

** Model changes with air conditioning or exhaust emission control.

AMA Specifications—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1967 DATE ISSUED 8-26-66 REVISED ^(a)

MODEL Catalina Executive Bonneville Grand Prix Optional 428 Cu. In. Engines

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)			Pressure Vented							
Radiator cap relief valve pressure			14-17 P.S.I.							
Circulation thermostat	Type (choke, bypass)		Choke							
	Starts to open at (°F)		190°F							
Water pump	Type (centrifugal, other)		Centrifugal							
	GPM @ 1000 pump rpm		17							
	Number of pumps		One							
	Drive (V-belt, other)		V-Belt							
	Bearing type		Sealed Ball Bearing							
By-pass recirculation type (internal, external)			Internal							
Radiator core type (cellular, tube and fin, other)			Tube and Center							
Cooling system capacity	With heater (qt.)		18.0		18.6	17.2				
	Without heater (qt.)		Heater Standard Equipment							
	Opt. equipment-specify (qt.)		Same as Above							
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 - Moulded							
		Inside diameter	1.75							
	Upper	Number and type (molded, straight)	One - Moulded							
		Inside diameter	1.50							
	By-pass	Number and type (molded, straight)	None - Integral							
		Inside diameter	Hose Not Used							
Fan	Number of blades & spacing		4, 76° & 104° (a)							
	Diameter		19							
	Ratio-fan to crankshaft rev.		.91 (b)							
	Fan cutout type		Fluid Clutch - Thermostatic Control (c)							
	Bearing type		See Water Pump							
*Drive belts (indicate belt used by letter)	Fan		A	B, C	E	C	A	B, H	D, E	H
	Generator or alternator		A	B	D, E	F	A	B	D, E	F
	Water Pump		A	B, C	E	C	A	B, H	E	H
	Power Steering			C		C		H		H
	Air Conditioning						G	G	G	G
	Air Injection Pump				D	F			D	F

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	36°	36°	36°	36°	36°	36°	36°	36°			
Nominal length (SAE)	54.0	50.0	52.0	69.0	57.0	61.2	59.0	53.5			
Width	.38	.38	.47	.38	.38	.38	.47	.47			

(a) Except A/C, 7 blade fan and clutch option, H. D. cooling and 428 H.O. engine option.

(b) Except A/C which is 1.13 except Grand Prix which is 1.25:1 with & without A/C.

AMA Specifications—Passenger Car

MAKE OF CAR		Pontiac		MODEL YEAR		1967		DATE ISSUED		8-26-66		REVISED ^(a)	
MODEL		Catalina		Executive		Bonneville		Grand Prix					
		ELECTRICAL—SUPPLY SYSTEM		Regular Fuel Engines		Premium Fuel Engines		Heavy Duty Battery Option					
Battery	Make and Model		Delco Y-59		Delco R-59		Delco R-69						
	Voltage Rtg. & Total Plates		12-54		12-66		12-66						
	SAE Designation & Amp Hr. Rtg.		2SM 53 AmpHr.		2SM 61 AmpHr.		2ST 70 AmpHr.						
	Location		Under Hood - L.H. Side										
		Terminal grounded		Negative									
Generator or Alternator	Make		Delco-Remy										
	Model		1100699 (a)										
	Type and rating		Diode Rectified, 3 Phase Alternating Current, 42 Amp										
	Output at engine idle (neutral)		7-12 Amps										
		Ratio—Gen. to Cr/s rev.		2.74:1 (3.02:1 With A/C)									
Regulator	Make		Delco-Remy										
	Model		1119511 (b)										
	Type		Regulating Contacts in Standard Type										
	Cutout relay	Closing voltage @ generator rpm	Cutout Relay Not Required										
		Reverse current to open	Cutout Relay Not Required										
	Regulated	Voltage	13.8										
		Current	Alternator Self Regulating										
	Voltage test conditions	Temperature	125°										
Load		10 Amps											
Other		Cycle Regulator Before Final Setting											
		ELECTRICAL—STARTING SYSTEM		Regular Fuel Engines		Premium Fuel Engines (c)							
Starting motor	Make		Delco-Remy										
	Model		1107293		1107355								
	Rotation (drive end view)		Clockwise										
	Engine cranking speed		Not Available										
	Test conditions		Motor at room temperature, new battery fully charged and correct rating, standard #4 gauge cables										
	No load test	Amps	65-100		Test Not								
Volts		--		Recommended									
RPM (min)		3600 - 5100											
Motor control	Switch (solenoid, manual)		Solenoid										
	Starting procedure		Place gearshift lever in neutral and depress clutch. * With cold engine depress accelerator pedal to floor and release. With warm engine hold accelerator pedal about halfway down, turn ignition key clockwise to engage strater, release key as soon as engine starts.										
		*Use neutral or park with auto. trans. (no clutch).											

(a) 1100700 (55 Amp.) with A/C.

(b) 1116370 transistor regulator optional - standard with 62 amp H. D. alternator.

(c) Also includes regular fuel engines with automatic transmission.

AMA Specifications—Passenger Car

MAKE OF CAR	Pontiac	MODEL YEAR	1967	DATE ISSUED	8-26-66	REVISED	(a)
MODEL	Catalina	Executive	Bonneville	Grand Prix			

ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Sliding Gear - Overrunning Clutch	
	Pinion meshes (front, rear)		Front	
	Number of teeth	Pinion	9	
		Flywheel	166	
	Flywheel tooth face width	Manual	.40	
		Auto.	.40	

ELECTRICAL—IGNITION SYSTEM

Coil	Transistorized - Std., Opt., N.A.		Optional				
	Make		Delco-Remy				
	Model		1115244 Std. (g)				
	Amps	Engine stopped	3.2 - 3.6 (Std.)				
Engine idling		1.9 - 2.3 (Std.)					
Distributor	Make		Delco-Remy				
	Model		1111242 (a)	1111253 (b)(c)	1111243 (d)(b)	1111183 (e)(b)	1111250 (f)(b)
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	800				
		Intermediate points deg. @ rpm.	10-14 @ 2000 18-22 @ 4600		17-21 @ 1900 26-30 @ 4600		21-25 @ 2000 26-30 @ 4600
			Max. deg. @ rpm.	18-22 @ 6000		26-30 @ 6000	
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	10-12	6-8	8-10		
		Intermediate points, deg. @ in. Hg.	None				
			Max. deg. in. Hg.	20 @ 13-15	20 @ 15-17		
	Breaker gap (in.)		.016				
	Cam angle (deg.)		28 - 32				
	Breaker arm tension (oz.)		19 - 23				
	Timing	Crankshaft deg. @ rpm.		6° BTC at Hot Idle (All hoses disconnected)			
Mark location		Crankshaft Pulley Hub					
Spark Plug	Make		AC				
	Model		45S (44S on all 428 engines)				
	Thread (mm)		14 MM				
	Tightening torque (lb. ft.)		15 - 25				
	Gap		.033 - .038				
Cable	Conductor type		Carbonized Thread				
	Insulation type		Neoprene				
	Spark plug protector		Hypalon Boot				

(a) Regular fuel engines.

(b) Model changes with optional capacitor discharge ignition system or certain exhaust emission control systems.

(c) 2 & 4 bbl. premium fuel 400 cu. in. engines except Grand Prix.

(d) Grand Prix

(e) 428 4 bbl. (except HO) engine option.

(f) 428 HO engine option.

(g) Model changes with optional capacitor discharge ignition system.

AMA Specifications—Passenger Car

MAKE OF CAR	Pontiac	MODEL YEAR	1967	DATE ISSUED	8-26-66	REVISED (a)
MODEL	Catalina	Executive	Bonneville	Grand Prix		

ELECTRICAL—SUPPRESSION

Locations & type	Carbonized thread core secondary cables on all cars. Ground straps: 1-engine to dash, 2-engine to frame, 1-frame to RH fender skirt on all cars with radio.
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ELECTRICAL—INSTRUMENTS AND EQUIPMENT

Speed-ometer	Make	AC
	Trip odometer (yes, no)	No.
Charge indicator—type		Ammeter
Temperature indicator—type		Tel-tale Lamp
Oil pressure indicator—type		Tel-tale Lamp
Fuel indicator—type		Electric Gage
Other		Optional Instrument Cluster with Temperature and Oil Pressure Tel-tales Replaced by Gages
Windshield wiper	Make	Delco Appliance
	Type—Standard	Two Speed Electric
	Type—Optional	None
	Vacuum booster provision	None
	Washer provision	Washer Standard Equipment
Horn	Type	Solenoid
	Number used	2 Standard
	Amp draw (each)	4.3 to 5.9 Amps @ 12.5V

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type		Own-Dry
Type pressure plate springs		Disc Spring
Total spring load (lb.)	2050	2450
No. of clutch driven discs		One
Clutch facing	Material	Woven Molded Asbestos
	Outside & inside dia.	10.4 x 6.5
	Total eff. area (sq.in.)	85.56
	Thickness	.140
	Engagement cushioning method	Driven Plate Waved Spoke Springs
Release bearing	Type & method of lubrication	Ball Thrust - Prepacked & Sealed
Torsional damping	Methods: springs, friction material	Coil Springs - Metal to Metal Friction
		Coil Springs - Metal to Plastic Friction

AMA Specifications—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1967 DATE ISSUED 8-26-66 REVISED ^(a)

MODEL Catalina Executive Bonneville Grand Prix

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.)	Optional

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds		Standard 3 Speed	Optional 4 Speed		
			Standard	Close Ratio (b)	
Transmission ratios	In first	2.42:1	2.52:1	2.20:1	
	In second	1.61:1	1.88:1	1.64:1	
	In third	1.00:1	1.46:1	1.28:1	
	In fourth		1.00:1	1.00:1	
	In reverse	2.33:1	2.59:1	2.27:1	
Synchronous meshing, specify gears		All Forward			
Shift lever location		Steering Column (a)	Floor		
Lubricant	Capacity (pt.)		2.8	2.5	
	Type recommended		Type A - Extreme Pressure		
	SAE viscosity number	Summer	80 or 90		
		Winter	80 or 90		
		Extreme cold	80 or 90		

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

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

(a) Floor shift optional.

(b) Special Order only.

AMA Specifications—Passenger Car

MAKE OF CAR	Pontiac	MODEL YEAR	1967	DATE ISSUED	8-26-66	REVISED ^(a)
MODEL	Catalina	Executive	Bonneville	Grand Prix		

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Turbo Hydra-Matic		
Type describe	Torque Converter		
Method of Selection (Lever, Push Button or other)	Lever		
Selector Pattern	P - R - N - D - S - L		
List gear ratios Selector Pattern and indicate which are used in each selector position	<u>R</u> 2.08:1	<u>D</u> 2.48:1 1.48:1 1.00:1	<u>S</u> 2.48:1 1.48:1
			<u>L</u> 2.48:1 (a)
Max. upshift speeds—drive range	59 & 98	55 & 95	53 & 91
Max. kickdown speeds—drive range	3-2 @ 88, 3-1 @ 30	3-2 @ 85, 3-1 @ 30	3-2 @ 81, 3-1 @ 30
Torque converter	Number of elements	Three	
	Max. ratio at stall	2.05:1 (a)	
	Type of cooling (air, liquid)	Water	
Lubricant	Capacity—refill (pt.)	19 (Approx.)	
	Type recommended	GM Automatic Transmission Fluid - AQATF-A	
Special transmission features	Shift lever must be lifted over stop to enter "Park," "Reverse," and "S" positions. Engine starting "Neutral" and "Park" positions provided for.		

DRIVE UNITS—PROPELLER SHAFT

Number used	One		
Type (exposed, torque tube)	Exposed		
Outer diameter x length* x wall thickness	Manual 3-speed transmission	3.00 x 56.4 x .065 (b)	
		3.25 x 59.3 x .065 (c)	
	Manual 4-speed transmission	3.00 x 56.4 x .065 (b)	
		3.25 x 59.3 x .065 (c)	
	Overdrive transmission	Not Available	
	Automatic transmission	3.38 x 56.4 x .065 (b) (d)	
		3.38 x 59.3 x .065 (c)	

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

(Continued)

- (a) Total transmission torque multiplication in first gear is 5.09:1.
 (b) Catalina, Grand Prix, 2 + 2, and Bonneville Station Wagon.
 (c) Star Chief Executive and Bonneville (except Station Wagon).
 (d) Dia. reduced to 3.00 with 2.41:1 rear axle ratio only.

AMA Specifications—Passenger Car

MAKE OF CAR	Pontiac	MODEL YEAR	1967	DATE ISSUED	8-26-66	REVISED (a)
MODEL	Catalina	Executive	Bonneville	Grand Prix		

DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	Not Used
	Lubrication (fitting, prepack)	Not Used
Universal joints	Make	Saginaw
	Number used	Two
	Type (ball and trunnion, cross, other)	Cross
	Bearing	Type (plain, anti-friction)
		Anti-Friction
		Lubric. (fitting, prepack)
		Prepacked
Drive taken through (torque tube or arms, springs)		Control Arms
Torque taken through (torque tube or arms, springs)		Control Arms

DRIVE UNITS—REAR AXLE

Description		Semi-Floating Hypoid Rear Axle
Limited Slip differential, type		Spring Loaded Clutch (Opt.)
Drive Pinion Offset		1.75
No. of differential pinions		2
Ring gear O.D. (std. ratio)		8.75 P.D. - 8.87 O.D.
Pinion adjustment (shim, other)		Shim
Pinion bearing adj. (shim, other)		Collapsible Spacer
Wheel bearing type		Single Row Ball Bearing
Lubricant	Capacity (pt.)	4.5
	Type recommended	A-9 Hypoid (a)
	SAE viscosity number	Summer 80 - 90
		Winter 80 - 90
		Extreme cold 80 - 90

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 4 for axle ratio usage)

Axle ratio	2.29:1	2.41:1	2.56:1	2.73:1	2.93:1	3.08:1	3.23:1	3.42:1	3.55:1	3.73:1	4.11:1
No. of teeth	Pinion	17	17	16	15	14	13	13	12	11	11
	Ring gear	39	41	41	41	41	40	42	41	39	41

AMA Specifications—Passenger Car

MAKE OF CAR	Pontiac	MODEL YEAR	1967	DATE ISSUED	8-26-66	REVISED ^(a)
MODEL	Catalina	Executive	Bonneville	Grand Prix		

DRIVE UNITS—WHEELS

Type & material		Disc - Steel
Rim (size and flange type)	Std.	14 x 6 JK
	Opt.	14 x 6 JK Heavy Duty
Attachment	Type (bolt or stud)	Bolt
	Circle diameter	5.0 (a)
	Number and size	5, 1/2 - 20 (a)

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	8.55 x 14 (b), 2 Ply-4 Ply Rating
	Type - Nylon, etc.	Synthetic Fiber
Rev./mile at 45 mph		8.25 x 14 - 760, 8.55 x 14 - 740, 8.85 x 14 - 740
Inflation press. (cold)	Front	24
	Rear	32 (e)
Optional tires - size and ply		8.55 x 14 4 Ply-4 Ply Rated - Opt. On All Models 8.55 x 14 4 Ply-8 Ply Rated - H.D. Opt. On All Models 8.85 x 14 2 Ply-4 Ply Rated - Opt. On All Except Sta. Wagon 8.45 x 15 (c) H70 x 15 (d)

BRAKES—SERVICE

		Standard System	Front Disc Brake Opt.
Type (duo-servo, disc, balanced, etc.)		Hydraulic, Int. Expanding, 2 Shoe, Single Anchor	Disc
Self adjusting (std., opt., N.A.)		Std.	Std.
Hydraulic system type (single, dual, etc.)		Dual	Dual
Power brake make & type (remote, integral, etc.)		Delco Moraine or Bendix Products	Bendix
		Integral Type - Vacuum Suspended	
Effective area (sq. in.) *		187.0	115.0
Gross lining area (sq. in.) **		193.7	122.5
Swept drum area (sq. in.) ***		326.9	360.0
Percent brake effectiveness—front		61.4	61.4
		11.0	11.8
Drum or Rotor	Diameter	Front	11.0
		Rear	11.0
	Type and material	Full Cast-Front, Finned Cast Alloy Iron-Rear	Cast Iron
	Rotor (vented or solid)	---	Vented
	No. pistons per caliper	---	4
Wheel cyl-inder bore	Front	1.188	2.062
	Rear	.938	.938
Master cylinder bore		1.00	1.125
Available pedal travel		7.74 Std., 4.11 With Power Brake Opt.	4.11 (Pwr. Only)
Line pressure at 100 lb. pedal load		700 (Manual), 900 (Power)	1200
Shoe clearance adjustment		Tighten to Heavy Drag, Then Back Off 30 Notches	Spring Loaded

* 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.

- (a) 8 Bolts on a 10 inch circle used with optional integral aluminum hubs and drums.
 (b) Standard on all except: 8.25 x 14 std. on 25269 & 25211 styles without air conditioning or exhaust emissions control option - 8.55 x 14 std. with these options and as oversize option.
 (c) 2 Ply-4 Ply rated - Opt. on all except 3 seat sta. wgn. - std. with disc brake opt. 8.45 x 15 4 Ply-8 Ply rated used on 3 seat sta. wgn.
 (d) 2 Ply-4 Ply rated - Opt. on all models.
 (e) Full rated load pressure - reduce to 24 p.s.i. on sedans & coupes (28 p.s.i. on station wagon) for improved ride with one to five passenger load.

AMA Specifications—Passenger Car

MAKE OF CAR	Pontiac	MODEL YEAR	1967	DATE ISSUED	8-26-66	REVISED (a)	
MODEL		Catalina	Executive	Bonneville	Grand Prix		

BRAKES—SERVICE (cont.)

Standard System

Front Disc
Brake Option

Brake lining	Drum or Disc		Drum	Disc Frt. - Drum Rear	
	Bonded or riveted		Riveted		
	Front Wheel	Material		Molded Asbestos	
		Size (length x width x thickness)	Prim. or out- board	8.88 x 2.75 x .22	5.95 x 1.75 x .40
			Second, or in- board	11.52 x 2.75 x .26	5.95 x 1.75 x .40
		Segments per shoe		One	One
	Rear Wheel	Material		Molded Asbestos	
		Size (length x width x thickness)	Prim. or out- board	8.88 x 2.00 x .22	
			Second, or in- board	11.52 x 2.00 x .26	
		Segments per shoe		One	

BRAKES—PARKING

Type of control	Foot Lever Application - Hand Pull Release	
Location of control	Below Instrument Panel at Left	
Operates on	Rear Service Brakes	
If sepa- rate from service brakes	Type (internal or external)	Not Separate
	Drum diameter	Not Separate
	Lining size (length x width x thickness)	Not Separate

FRAME

Type and description (Separate frame, unitized frame, partially - unitized frame)	Perimeter Type with Swept Hips - Boxed on all Convertible, Station Wagon, and Grand Prix Hardtop. Open Channel Center Side Rails on all Other Models
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STEERING

Manual (std., opt., NA)			Standard		
Power (std., opt., NA)			Optional		
Adjustable steering wheel (tilt, swing, other)		Type and description	Tilting Wheel - Adjusts Vertically - Seven Positions		
		(std., opt., NA)	Optional		
Wheel diameter		Manual	15.74 x 16.5		
		Power	15.74 x 16.5		
Turning diameter	Outside front	Wall to wall (l. & r.)	46.1	47.0	46.1
		Curb to curb (l. & r.)	42.8	43.7	42.8
	Inside rear	Wall to wall (l. & r.)	25.5	26.1	25.5
		Curb to curb (l. & r.)	26.0	26.6	26.0
Outside wheel angle with inside wheel at 20°			18.4		
Manual	Gear	Type	Recirculating Ball Bearing		
		Make	Saginaw		
		Ratios	Gear	24:1	
			Overall	29.8:1	
	No. wheel turns		5.6		

(Continued)

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MODEL Catalina Executive Bonneville Grand Prix

STEERING (cont.)

Power	Type (coaxial, linkage, etc.).			Coaxial
	Make			Saginaw
	Gear	Type		Recirculating Ball Bearing
		Ratios	Gear	17.5:1
			Overall	21.7:1
	Pump driven by			Belt from Crankshaft
Number wheel turns			4.2	
Linkage	Type			Link Parallelogram
	Location (front or rear of wheels, other)			Rear of Wheels
	Drag link (trans. or longit.)			Transverse Strg. Rod Connects Tie Rods, Pitman & Idler Arms
	Tie rods (one or two)			Two
Steering Axis	Inclination at camber (deg.)			8.5° @ 1° Camber
	Bearings (type)	Upper	Ball Joint	
		Lower	Ball Joint	
		Thrust	Thrust Taken by Lower Ball Joint	
Wheel Alignment (range at curb weight and preferred)	Caster (deg.)			1° 30' Negative + 30'
	Camber (deg.)			0° 15' Positive + 30'
	Toe-in (outside track inches)			0 to .125 Toe-in Measured 9 Inches Above Floor
Steering spindle & joint type				Reverse Elliott-Ball Joint
Wheel spindle	Diameter	Inner bearing	1.249	
		Outer bearing	.749	
	Thread size			3/4 - 20
	Bearing type			Taper Roller

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 MODEL Catalina Executive Bonneville Grand Prix

SUSPENSION—GENERAL

(See Supplemental page for details on Air Suspension)*

Provision for car leveling	None
Provision for brake dip control	Compound Anti Dive Control Front and Anti Rise Rear Suspension
Provision for acc. squat control	Geometry of Rear Links
Special provisions for car jacking	Jack Locating Provisions on Front & Rear Bumpers
Shock absorber front & rear	Type Make Piston dia.
	Direct Acting - Two Way Delco 1.00
Other special features	

SUSPENSION—FRONT

Type and description	Ball Joint Independent Front Suspension with Upper and Lower Control Arms Mounted on Rubber Bushings.
Spring	Type Material Size (coil design height & I.D.; bar length x dia.) Spring rate (lb. per in.) Rate at wheel (lb. per in.)
	Coil SAE 9260 10.36 & 4.05 275 (c) 79
Stabilizer	Type (link, linkless, frameless) Material & bar diameter
	Link SAE 1080, .750 (a)

SUSPENSION—REAR

Type and description	Four Link Pivoted Control Arm
Drive and torque taken through	Control Arms
Spring	Type Material Size (length x width, coil design height & I.D.; bar length & dia.) Spring rate (lb. per in.) Rate at wheel (lb. per in.) Mounting insulation type H leaf No. of leaves Shackle (comp. or tens)
	Coil SAE 9260 8.34 & 5.50 (b) (d) Rubber None None
Stabilizer	Type (link, linkless, frameless) Material
	Not Used None
Track bar type	Not Used

- (a) Except .875 on 2 + 2 and .687 on all station wagons.
 (b) 122 on Catalina (except station wagons) 165 on all station wagons, 138 all others.
 (c) 2 + 2 option rate changes to 315 (spring) and 90 at wheel.
 (d) 111 on Catalina except S.W., 152 on all station wagons, 127 all others.

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MODEL Catalina Executive Bonneville Grand Prix

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front						
	Rear doors	Front						
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 Pillar						
Engine No. location		Front of Right Hand Cylinder Bank						
Theft protection - type		Door locks, ign. sw. terminals covered by locked-on conn. body, key starter control & in-harness wiring from sw. to starter & coil.						
Vent window control method (crank, friction pivot)	Front	Crank					(e)	
	Rear	None						
Seat cushion type	Front	(a)					(b)	
	Rear	(c)	(i)			(a)		
	3rd seat	(h)					---	
Seat back type	Front	(d)					(a)	
	Rear	(h)						
	3rd seat	(h)					---	
Windshield glass type (i.e., single curved - laminated plate)		Single Curved Laminated Safety Plate						
Side glass type (i.e., curved - tempered plate)		Compound Curved Solid Tempered Safety Plate						
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Compound Curved Solid Tempered Safety Plate Except Single Curved on 11, 39, 67 & 69 Styles.						
Body Styles		11	69	39	87	67	57	35 & 45
Windshield glass exposed surface area		1448.1	1448.1	1384.3	1384.3	1384.3	1384.3	1448.1
Side glass exposed surface area		1383.0	1348.9	1380.9	1528.8	1414.4	1435.4	2547.7
Backlight glass exposed surface area		1202.0	1202.0	1239.3	1339.8	767.3	1399.5	925.9
Total glass exposed surface area		4033.1	3999.0	4004.5	4252.9	3566.0	4219.2	4921.7

LAMP HEIGHT AND SPACING			252 & 256 exc. SW	262 exc. SW	266	All 35 & 45	
Height above ground to center of bulb	Headlamp	Highest *	31.4	31.4	24.9	31.5	
		Lowest	24.1	24.1	24.9	24.2	
	Tail	Highest	29.7	29.7	26.6	29.0	
		Lowest	29.3	29.1	26.6	29.0	
Distance from C/L of car to center of bulb	Headlamp	Inside	33.2	33.2	24.2	33.2	
		Outside *	33.2	33.2	30.5	33.2	
	Tail	Inside	24.9	19.2	14.2	30.9	
		Outside	33.1	33.3	29.2	34.0	
	Directional	Front	24.5	24.5	31.4	24.5	
		Rear	(f)	(g)	(f)	(f)	

* If single headlamps are used enter here.

- (a) Zig-zag spring with foam pad.
- (b) Zig-zag spring with contour molded foam pad.
- (c) Zig-zag spring with foam pad except cotton pad on sedan and station wagon.
- (d) Zig-zag spring with cotton pad.
- (e) Crank on 26667 - no vent window on 26657 style.

- (f) Same as tail lamps.
- (g) 26.20 inside, 33.36 outside.
- (h) Formed wire with cotton pad.
- (j) Zig-zag spring with foam pad except cotton pad on station wagon.

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MAKE OF CAR	Pontiac	MODEL YEAR	1967	DATE ISSUED	8-26-66	REVISED (6)
MODEL	Catalina	Executive	Bonneville	Grand Prix		

CONVENIENCE EQUIPMENT

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

Power windows	Side Windows	Optional
	Vent Windows	Optional
	Backlight or tailgate	Standard on 3 Seat, Optional on 2 Seat Station Wagons
Power seats (specify type as well as availability)	Power Tilt*	Optional on all L.H. Bucket Front Seats
	6 Way Power**	Optional on all with Bench Front Seats
Reclining front seat back		Optional (1)
Front seat headrest		Optional
Radios (specify type as well as availability)	AM Push Button, AM-FM Push Button, AM-FM Push Button Stereo	
Rear seat speaker	Optional - Also Reverberation Type	Optional (2)
Power Antenna		Optional
Clock		Standard on all except Catalina Series
Air Conditioner (specify type and availability)	Option A: Reheat cycle with manual control.	
	Option B: Reheat cycle with automatic temperature control.	
Speed warning device	Safeguard Speedometer	Optional
Speed control device		Optional (3)
Ignition lock lamp		Standard
Back up lamp		Standard
Dome lamp		Standard (except Convertible)
Glove compartment lamp		Standard
Prkg. brake signal lamp		Standard
Luggage compartment lamp		Standard
Underhood lamp		Optional
Courtesy lamp		Standard (Front and Rear on Convertible)
Map lamp		Same as Courtesy
Auto. trans. quad. lamp		Standard
Emergency flasher lamp		Standard
Cornering light lamp		Optional
Low Fuel Warning Lamp		Optional
Oil Pressure Gage		Available in Optional Auxiliary Gage Unit
Water Temperature Gage		Available in Optional Auxiliary Gage Unit
Roof Rail & Reading Lamp		Optional (except Convertible)
Rear Compartment Courtesy Lamp		Standard on 3 Seat Station Wagons
Ash Tray & Cig. Lighter Lamp		Standard
Power Operated Door Locks		Optional
Electric Luggage Compt. Lid Release		Optional
Low Brake Pressure Warning Lamp		Standard
Stereo Tape Player		Optional in Combination with any radio

* Fore and aft plus elevation at rear edge.

** Fore and aft plus elevation at front and rear edge.

(1) Available on Bonneville Brougham and Grand Prix hardtops with bench type front seat option, Grand Prix models with standard bucket seats, Bonneville hardtop coupe and convertible with optional bucket seats and Catalina 2 + 2 option models.

(2) Reverberation type not available on station wagons.

(3) Not available with manual transmission.

