

AMA Specifications – Passenger Car

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MAKE OF CAR PONTIAC **MODEL YEAR** 1958 **DATE ISSUED** 9-6-57 **REVISED** 12-9-57

COMPANY PONTIAC MOTOR DIVISION GENERAL MOTORS CORPORATION

MODEL NAME	SYMBOL	MODEL NAME	SYMBOL
CHIEFTAIN	58-25	STAR CHIEF	58-28
CHIEFTAIN	58-27	STAR CHIEF*	58-27
SUPER CHIEF	58-28	BONNEVILLE	58-25

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NOTES:

1. The specifications set forth herein are those in effect at the date of compilation and are subject to change without notice.

UNLESS OTHERWISE INDICATED:

- All specifications are standard for the models under which they are listed.
- Specifications apply basically to 4-door sedan or equivalent. Body dimensions shown on pages 19-24 include sport coupe dimensions in lieu of 4-door sedan.
- All dimensions are nominal engineering dimensions.

GENERAL SPECIFICATIONS

MODEL	Additional Information Page No.:	CHIEFTAIN	SUPER CHIEF	STAR CHIEF*	BONNEVILLE
Wheelbase (L-101)	22	122		124	122
Tread	Front (W-101)			58.8	
	Rear (W-102)			59.4	
Maximum Overall Dimensions	Length (L-103)	210.5		215.5	211.7
	Width (W-103)			77.4	
	Height (H-101)	57.0		57.0	55.6**
Transmission— (Specify trade name - opt., not available)	Manual			Synchromesh	
	Overdrive			None	
	Automatic			Hydra-Matic	
Axle ratio	Manual			3.42:1	
	Overdrive			None	
	Automatic			3.23:1	
Tire size	15			8.00 x 14 - 4 Ply	
Engine	Type, no. cyl., valve arr.			90° V, 8, In Head	
	Fuel system (Carb. or Inj.)			Carburetor (a)	
	Bore and stroke			4.06 x 3.56	
	Piston displ., cu. in.			370	
	Std. compression ratio			8.6:1 (a)	
	Max. bhp at engine rpm	2	240 @ 4500 (a)		255 @ 4500 (a)
Max. torque at rpm	2	354 @ 2600 (a)		360 @ 2600 (a)	

*Star Chief Station Wagon (58-27) Has Wheelbase and Overall Length of Chieftain Models.

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**Sport Coupe.

(a) Standard Engine - See Page 2a for Optional Engine Information.

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MODEL CHIEFTAIN SUPER CHIEF STAR CHIEF BONNEVILLE

ENGINE—GENERAL

Type, no. cyls., valve arr.		90° V, 8, In Head	
Bore and stroke		4.06 x 3.56	
Piston displacement, cu. in.		370	
Bore spacing (C/L to C/L)		4.62	
No. system (front to rear)	L. Bank	1 - 3 - 5 - 7	
	R. Bank	2 - 4 - 6 - 8	
Firing order		1 - 8 - 4 - 3 - 6 - 5 - 7 - 2	
Compres. ratio (nominal)	Standard	8.6:1	
	Optional	10.0:1 and 10.5:1	
Cylinder Head Material	Standard	Alloy Cast Iron	
	Optional	None	
Cylinder Sleeve - Wet, dry, none		None	
Number of mounting points	Front	1	
	Rear	2	
Taxable $\text{Dia.}^2 \times \text{No. Cyl.}$ horsepower $\frac{\quad}{2.5}$		52.8	
Published max. bhp at engine RPM*	Standard	240 @ 4500	255 @ 4500
	Optional	See Page 2a	
Published max. torque* (lb. ft. @ RPM)	Standard	354 @ 2600	360 @ 2600
	Optional	See Page 2a	
Recommended fuel regular - premium	Standard	Regular	
	Optional	Premium	
Recommended idle speed (neutral)		450-470 Std. Trans. - 480-500 With HM Transmission in Drive	

ENGINE—PISTONS

Material	Aluminum Alloy
Description and finish	Cam Ground Slipper Type With Steel Thermal Control Band - Piston Tin Plated
Weight (piston only) oz.	24.83 ± .06 oz.

* Max. bhp (brake horsepower) and max. torque corrected as defined by SAE Engine Test Code.

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MODEL _____ As Indicated Below _____

OPTIONAL ENGINE OUTPUT AND AVAILABILITY CHART

Car Model or Special Engine Description	Transmission	Comp. Ratio	Induction System	Max. HP & Torque	
				BHP	Torque
Chieftain & Super Chief	Hydra-Matic	10.0:1	2-BBL.	270 @ 4600	388 @ 2800
Star Chief & Bonneville	Hydra-Matic	10.0:1	4-BBL.	285 @ 4600	395 @ 2800
4-BBL. Carb. Opt. for Chieftain & Super Chief	Hydra-Matic	10.0:1	4-BBL.	285 @ 4600	395 @ 2800
Spec. Eqpt. Engine for All Models	Manual	10.0:1	4-BBL.	285 @ 4600	395 @ 2800
Triple Carb. Option - All Models	Manual or HM	10.5:1	3-2 BBL.	300 @ 4600	400 @ 3000
Fuel Injection Opt. - All Models	Manual or HM	10.5:1	Fuel	310 @ 4800	400 @ 3400
Tempest 395-A - All Models	Manual or HM	10.5:1	4-BBL.	315 @ 5000	395 @ 3200
Tempest 395-A - All Models	Manual or HM	10.5:1	3-2 BBL.	330 @ 5200	400 @ 3600

SUPPLEMENTARY SPECIFICATIONS FOR TEMPEST 395-A ENGINES ONLY

Valve Timing:	Intake Opens	°BTC	29
	Intake Closes	°ABC	74
	Intake Duration		283°
	Exhaust Opens	°BBC	82
	Exhaust Closes	°ATC	31
	Exhaust Duration		293°
	Valve Opening Overlap		60°
Valve Lift:	Intake and Exhaust		.40 (.411 Max.)
Valve Spring Pressure and Length:	Outer Spring - Valve Closed		62 @ 1.52
	Outer Spring - Valve Open		131 @ 1.12
	Inner Spring - Valve Closed		32 @ 1.48
	Inner Spring - Valve Open		96 @ 1.08
	Exhaust System:	Special exhaust manifolds and dual exhaust system with 2.25 O.D. exhaust pipes and 2.00 O.D. tail pipes.	

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MODEL	CHIEFTAIN	SUPER CHIEF	STAR CHIEF	BONNEVILLE		

ENGINE PISTONS (Cont.)

Clearance (limits)	Top land		.024 - .033
	Skirt	Top	.0007 - .0017
		Bottom	.0000 - .0017
Ring groove depth	No. 1 ring		.207 - .215
	No. 2 ring		.197 - .205
	No. 3 ring		.179 - .188
	No. 4 ring		None

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, type, coating, etc.	Taper Faced, Cast Iron Rings No. 1 With Thick Chrome, No. 2 With Lubrite Finish	
	Width		.078
	Gap		No. 1 .021, No. 2 .019
Oil	Description - material, type, coating, etc.	Segmented Spring Steel With Chrome Face On Rails	
	Width		.184
	Gap		.025
Expanders		Crimped & Ventilated Spring Steel - In Oil Ring Groove	

ENGINE—PISTON PINS

Material			SAE 1117 Modified 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		.0003 - .0005
	In rod		Press Fit
Direction & amount offset in piston			To Right - .063

ENGINE—CONNECTING RODS

Material			SAE 1139 or 1335 Modified Steel
Weight (oz.)			29.34
Length (center to center)			6.625
Bearing	Material & Type	Durex 100-A Steel Backed - Removable, Precision	
	Overall length		.88
	Clearance (limits)		.0009 - .003
	End play		.006 - .011 (Total For Two)

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MODEL	CHIEFTAIN	SUPER CHIEF	STAR CHIEF	BONNEVILLE			

ENGINE—CRANKSHAFT

Material		SAE 1045 or 1046 Steel					
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		.0005 - .0030 (Except .0025 Max. on Front)				
	Journal dia. and bearing overall length	No. 1	2.62 x .94				
		No. 2	2.62 x .94				
		No. 3	2.62 x .94				
		No. 4	2.62 x 1.13				
		No. 5	2.62 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		Cyanide Hardened Alloy Iron					
	Timing chain	No. of links		60				
		Width		1.00				
Pitch		.375						

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Standard					
Special provision for valve rotation (intake, exhaust)		None					
Rocker ratio		1.5:1					
Operating tappet clearance (indicate hot or cold)	Intake		0				
	Exhaust		0				
Timing marks on fly-wheel, damper, other		On Crankshaft Pulley					

*Air Suspension and/or Air Conditioned Cars Use 'Multiple Leaf Spring Pack' type of Harmonic Balancer.

(Continued)

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 ALL MODELS WITH -
 MODEL MANUAL TRANSMISSION | HYDRA-MATIC TRANSMISSION

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	22* (b)	30 (b)
		Closes (°ABC)	67* (b)	63 (b)
		Duration - deg.	269* (b)	273 (b)
	Exhaust	Opens (°BBC)	63* (b)	77 (b)
		Closes (°ATC)	27* (b)	25 (b)
		Duration - deg.	270* (b)	282 (b)
Valve opening overlap		49* (b)	55 (b)	
Material		Manganese-Moly Steel With Aluminum Treatment		
Overall length		5.31 (a)		
Actual overall head dia.		1.88		
Angle of seat		30°		
Seat insert material		Not Used		
Stem diameter		.34		
Stem to guide clearance		.0016 - .0033		
Intake	Lift		.37 (b)	.40 (b)
	Outer spring press. and length	Valve closed (lb. @ in.)	60 @ 1.52* (b)	60 @ 1.52 (b)
		Valve open (lb. @ in.)	109 @ 1.15* (b)	114 @ 1.12 (b)
	Inner spring press. and length	Valve closed (lb. @ in.)	26 @ 1.48* (b)	26 @ 1.48 (b)
		Valve open (lb. @ in.)	60 @ 1.11* (b)	64 @ 1.08 (b)
	Material		T-XCR Steel With Aluminum Treatment	
Overall length		5.30 (a)		
Actual overall head dia.		1.60		
Angle of seat		45°		
Seat insert material		Not Used		
Stem diameter		.34		
Stem to guide clearance		.0021 - .0038		
Exhaust	Lift		.37 (b)	.40 (b)
	Outer spring press. and length	Valve closed (lb. @ in.)	60 @ 1.52* (b)	60 @ 1.52 (b)
		Valve open (lb. @ in.)	109 @ 1.15* (b)	114 @ 1.12 (b)
	Inner spring press. and length	Valve closed (lb. @ in.)	26 @ 1.48* (b)	26 @ 1.48 (b)
		Valve open (lb. @ in.)	60 @ 1.11* (b)	64 @ 1.08 (b)

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

*Manual Transmission Cars With Special Equipment Engine or (Continued)

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Triple Carburetor Option Use Hydra-Matic Engine Camshaft, Outer Springs With 62# @ 1.52 & 131# @ 1.12 and Inner Springs With 32# @ 1.48 @ 96# @ 1.08.

- (a) With optional 10.5:1 comp. ratio engines intake length is 5.35 and exhaust length is 5.3
 (b) Spec. changes for Tempest 395-A engine - See Page 2a for supplementary specification

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 MODEL CHIEFTAIN SUPER CHIEF STAR CHIEF BONNEVILLE

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Helical Gear		
Normal oil pressure (lb. @ MPH)	35 to 45 Above 40		
Oil pressure sending unit (electric or mechanical)	Mechanical		
Type oil intake (floating, stationary)	Floating		
Oil filter system (full flow, partial, other)	Full Flow - Accessory		
Filter replacement (element, complete)	Element		
Capacity of crankcase, less filter-refill (qt.)	5		
Oil grade recommended (SAE viscosity and temperature range)	32° F. to 110° F.	Recommended 20	Acceptable Multigrade 10W - 30
	10° F. to 110° F.	20W	
	10° F. Below Zero to 95° F. Above	10W	10W - 20
	10° F. Below Zero and Colder	5W	5W - 20
Oil type recommended	Petroleum Based Oil For Service MS or DG		

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single With Cross-over - Dual Optional		
Muffler No. & type (reverse flow, straight thru, separate resonator)	One Reverse Flow Muffler With Single Exhaust System - Optional Dual System Uses 2 Mufflers & 2 Separate Resonators		
Exhaust pipe dia. (O.D. & wall thickness)	Branch	2.00 x .076	
	Main	2.25 x .076 Std. or 2.00 x .076 With Dual Option (e)	
Tail pipe diameter (O.D. & wall thickness)	2.00 x (a) Std. or 1.75 x (b) With Dual Option (e)		

ENGINE—FUEL SYSTEM

* (See Supplement to Page 6 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.	Carburetor - Fuel Injection Optional*			
Fuel Tank	Capacity (gals.)	20		
	Filler location	Covered By L. H. Rear Fender Ornament or Back-up Light		
Fuel Pump	Type (elec. or mech.)	Mechanical		
	Locations	Left Front of Engine		
	Pressure range	5.25 - 6.50		
Vacuum booster (std., optional, none)	Std.			
Fuel Filter	Type	Plastic Fabric in Tank - Porous Paper at Carburetor		
	Locations	(See Above)		
Carburetor	Make & Model No.	Rochester 7012703 (c)	Carter AFB 2768S (d)	
	Number & Type	One - Dual Downdraft	One - Four-Barrel Downdraft	
	Barrel size	1.688	1.438 Primary, 1.688 Secondary	
	Choke type	Automatic Integral		
	Intake manifold heat control (exhaust or water)	Exhaust		
	Air clnr. type	Standard	Oiled Element	
	Optional	Paper Element		

- (a) .054 (uncoated) Chieftain; .048 Aluminized on Super Chief, Star Chief & Rev. Form 6-57 Bonneville.
- (b) .042 Aluminized on all Dual Systems.
- (c) Standard - Rochester 7011702 with Hydra-Matic - See Page 6A for Options.
- (d) Standard - Carter AFB 2740S with Hydra-Matic - See Page 6A for Option.
- (e) Special Dual Exhaust System used with Tempest 395-A Engine has 2.25 O. D. Exhaust Pipe and 2.00 O. D. Tail Pipe on R. H. and L. H. sides.

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 MODEL _____ As Indicated Below _____

ENGINE - FUEL SYSTEM OPTIONS

FOUR-BARREL CARBURETOR OPTION FOR CHIEFTAIN & SUPER CHIEF MODELS AND ALL MODELS WITH 4 BBL. TEMPEST 395-A ENGINE

Make and Model Number	Carter AFB 2767 S
Available On	Cars With Hydra-Matic
Number Used	One
Barrel Size	1. 438 Primary, 1. 688 Secondary
Make and Model Number	Carter AFB 2768 S
Available On	Special Equipment & Tempest 395-A Engine (Manual Trans.) Cars Only
Number Used	One
Barrel Size	1. 438 Primary, 1. 688 Secondary

TRIPLE - TWO-BARREL CARBURETOR OPTION AND 3-2 BARREL TEMPEST 395-A ENGINE FOR ALL MODELS

Make	Rochester
Model Number	
Front - All Cars	7011705
Center - Manual Transmission Cars	7011709
Center - Hydra-Matic Transmission Cars	7011706
Rear - All Cars	7011707
Number Used	3 (As Above)
Barrel Size	1. 438
Choke Type	Integral (Center Carb. Only)

FUEL INJECTION OPTION FOR ALL MODELS

Induction Assembly	
Make	Rochester Products
Model	7014880
Type	Continuous Flow
Intake Manifold Material	Cast Aluminum
Ram Pipe Length - Inches	12
Fuel Meter Pump Type	Gear
Location of Meter Pump	In Meter
Pump Driven By	Flexible Shaft From Dist.
Maximum Fuel Pressure In Meter	300 P. S. I.
Injection Nozzle Location	In Manifold At Ports
Fuel Orifice Size	. 011
Cold Enrichment Device	
Type	Electric (Time-Temp.)
Current Draw	. 7 to . 9 Amp.
Engine Supply Fuel Pump:	
Type	Mechanical
Pressure Range - P. S. I.	5. 25 to 6. 50
Vacuum Booster	Yes
Fuel Filter Type:	
In Fuel Tank	Plastic Fabric Element
Outlet Side of Supply Pump	Porous Paper & Bronze Elements
Provision For Inlet Air Heating:	
Control	Automatic
Heat Source	Exhaust Manifold Stove

AIR CLEANER EQUIPMENT TYPE

With Four Barrel Carburetors	
Standard	Oiled Element
Optional	Paper Element
With Triple - Two-Barrel Carburetors	Paper Element
With Fuel Injection	Paper Element

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MODEL ALL MODELS

ENGINE—COOLING SYSTEM

Type (pressure system, atmospheric, other)		Pressure - Vent							
Radiator cap relief valve pressure		12 to 15 P. S. I.							
Circulation thermostat	Type (choke, bypass)	Choke							
	Starts to open at (°F)	170° F.							
Water pump	Type (centrifugal, other)	Centrifugal							
	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.)	22.3							
	Without heater (qt.)	21.2							
	Opt. equipment-specify (qt.)	22.2 (1)	21.1 (2)						22.5 (3)
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	2.00						
	Upper	Number and type (molded, straight)	One - Molded						
		Inside diameter	1.75						
	By-pass	Number and type (molded, straight)	None						
		Inside diameter	None						
Fan	Number of blades & Spacing		Four - 76° and 104°						
	Diameter		19.0						
	Ratio-fan to crankshaft rev.		.88 to 1						
	Fan cutout type		None						
	Bearing type		See Water Pump						
*Drive belts (Indicate belt used by letter)	Fan	A	A & B	C & D	A & E	A & E	C & F	C & E	C & E
	Generator	A	A	C	A	A	C	C	C
	Water Pump	A	A & B	C & D	A & E	A & E	C & F	C & E	C & E
	Power Steering		B			E	F		E
	Air Conditioning			C			C	C	C
	Air Suspension				E	E		E	E

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*Drive Belt Dimensions	A	B	C	D	E	F	
Angle of V	36°	36°	36°	36°	36°	36°	
Nominal length (SAE)	56.8	60.0	66.0	39.3	62.6	61.0	
Width	.38	.38	.59	.50	.47**	.50	

(1) With Hydra-Matic and Heater.

(2) With Hydra-Matic less Heater.

(3) With Hydra-Matic, Heater and Air Conditioning.

** Cars built prior to December 2, 1957 used .50 belt width.

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MODEL CHIEFTAIN | SUPER CHIEF | STAR CHIEF | BONNEVILLE

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model	Delco 458 (a) or 558 (b)		
	Voltage Rtg. & Plates/cell	12 & 9 (a) or 12 & 11 (b)		
	SAE Designation & Amp Hr. Rtg.	None - 53 (a) or 61 (b) (At 20 Hr. Rate)		
	Location	Under Hood - Left Side		
	Terminal grounded	Negative		
Generator	Make	Delco-Remy		
	Model	1102107		
	Type	Shunt Wound		
	Ratio—Gen. to Cr/s rev.	2.47:1		
	Gen. cut-in—engine rpm	500		
Regulator	Make	Delco-Remy		
	Model	1119001		
	Type	Voltage and Current Regulator		
	Cutout relay	Closing voltage @ generator rpm	11.8 - 13.6 @ 1235 RPM	
		Reverse current to open	Not Specified	
	Regulated	Voltage	14.0 V. at Room Temperature	
		Current	30 a. at Room Temperature	
	Voltage test conditions	Temperature	125°F	
		Load	Battery or 10 Ampere Max.	
Other				

ELECTRICAL—STARTING SYSTEM

Starting motor	Make	Delco-Remy		
	Model	1107661 (a) or 1107700 (b)		
	Rotation (drive end view)	Clockwise		
	Engine cranking speed	120 to 130 RPM (a) 140 to 150 RPM (b)		
	Test conditions	Room Temperature		
	Lock test	Amps	Lock Test Not Recommended	
		Volts	-	
		Torque (lb. ft.)	-	
	No load test	Amps	100 Max. with 1107661	120 Max. with 1107700
		Volts	10.6	
RPM (min.)		3600 Min. with 1107661	3900 Min. with 1107700	
Motor control	Switch (solenoid, manual)	Solenoid		
	Starting procedure	Place Gearshift Lever in Neutral* Position. Open Throttle About Half Way. Turn Ignition Key To Right To Engage Starter. Release Key When Engine Starts.		

(a) With Regular Fuel (8.6:1 C. R.) Engines.

(b) With Premium Fuel (10.0:1 or 10.5:1 C.R.) Engines.

*"N" or "P" Position With Hydra-Matic.

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MODEL CHIEFTAIN SUPER CHIEF STAR CHIEF BONNEVILLE

ELECTRICAL—STARTING SYSTEM (cont.)

Motor drive	Engagement type	Sliding Gear - Overrunning Clutch	
	Pinion meshes (front, rear)	Front	
	Number of teeth	Pinion	9
		Flywheel	176
Flywheel tooth face width		.50 (.45 With Opt. Hydra-Matic Transmission)	

ELECTRICAL—IGNITION SYSTEM

Coil	Make	Delco-Remy		
	Model	1115084		
	Amps	Engine stopped	3.5 a @ 12 V	
Engine idling		1.2 a @ 12 V		
Distributor	Make	Delco-Remy		
	Model	1110924 (a)	or	1110913 (b)
	Spark adv. centrifugal (crankshaft degrees)	Start (rpm)	650	650
		Intermediate points @ rpm	20-24 @ 2000	14-18 @ 2000
		Max. @ rpm	30° @ 4600	24° @ 4600
	Spark adv. vacuum (crankshaft degrees)	Start (in. Hg)	6 to 8	
		Intermediate points, deg. @ rpm	7.25-15.25 @ 11"	7.25-15.25 @ 11"
		Max. @ rpm.	21.5 @ 13	
	Breaker gap (in.)		.016	
	Cam angle (deg.)		28 - 32°	
Breaker arm tension (oz.)		19 - 23 oz.		
Timing	Crankshaft deg. @ rpm.	6° At Hot Idle		
	Mark location	Crankshaft Pulley		
	Cylinder numbering system (see page 2)	L. Bank 1 - 3 - 5 - 7		
		R. Bank 2 - 4 - 6 - 8 (Front To Rear)		
Firing order (see page 2)		1 - 8 - 4 - 3 - 6 - 5 - 7 - 2		
Spark Plug	Make and model	AC 45		
	Thread (mm)	14 MM		
	Tightening torque (lb. ft.)	15 - 25		
	Gap	.033 - .038		
Cable	Conductor type	Carbonized Thread		
	Insulation type	Neoprene		
	Spark plug protector	Butyl Rubber Boot		

ELECTRICAL—SUPPRESSION

Description	Carbonized Linen Core Secondary Cables and Front Wheel Static Collectors On All Cars. Generator Condenser, Voltage Regulator Condenser, Engine to Body Ground Strap, and Exhaust Pipe to Body Ground Strap On All Cars With Radio.
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- (a) With Regular Fuel (8.6:1 C.R.) Engines.
 (b) With Premium Fuel (10.0:1 or 10.5:1 C.R.) Engines.

AMA Specifications – Passenger Car

MAKE OF CAR	PONTIAC	MODEL YEAR	1958	DATE ISSUED	9-6-57	REVISED	
MODEL	CHIEFTAIN	SUPER CHIEF	STAR CHIEF	BONNEVILLE			

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	AC
	Trip odometer (yes, no)	No
Charge indicator -type		Ammeter
Temperature indicator -type		Electric
Oil pressure indicator -type		Bourdon Type
Fuel indicator -type		Electric
Other		None
Ignition switch	Identify positions in order and circuits controlled	Counter Clockwise To Stop - Accessory Circuits On. Vertical - Off Position - Key Removable In This Position Only. Clockwise - 40° From Vertical - Ignition and Accessory Circuits On. Clockwise - 70° From Vertical - Ignition and Starter Circuits Only.
	Provision for illumination	Yes
	Location	Left Center of Instrument Panel
Main lighting switch	Identify positions and lights controlled	Forward Position - Off. 1st Position - Instrument Lights, Parking Lights, Tail Lights and License Light. 2nd Position - Instrument Lights, Head Lights, Tail Lights and License Light. Clockwise Rotation Dims Instrument Lights To 'Off'.
Other light switches	Locations and lamps controlled	Accessories - See Footnotes. Dimmer Switch - On Floor Left Of Steering Column. Dome Light Switch - On Lamp Body and on Door Frames - Both Front on Chieftain and All Doors of Other 4-Door Sedans. Direction Indicator Switch - On Steering Column Below Wheel. Stop Light Switch - On Brake Pedal Support.
Other switches	Locations and devices controlled	Radio - At Center of Instrument Panel. Power Antenna Motor - Upper Center of Instrument Panel. Rear Seat Speaker - Upper Center of Instrument Panel. Heater Blower Motor - Control Panel on Right of Steering Column. Air Cond. Blower Motor - Control Panel on Left of Steering Column. Memory Seat - Upper Center of Inst. Panel & L. H. End of Seat.
Windshield wiper	Make	Trico
	Type	Vacuum
	Vacuum booster provision	Yes
	Washer provision	Yes
Horn	Type	Solenoid
	Number used	Two
	Amp draw (each)	8 to 11 Amps @ 12.5V

Accessory Light Switches:

Rev. Form 6-57

Back-up Light - On Lower End of Steering Column, For Hydra-Matic Cars Switch is Combined With Neutral Safety Switch.

Trunk Compartment & Utility Light - Mercury Switch on Lamp Bracket.

Spot Light - On Handle of Remote Control Type, on End of Instrument Panel (LH or RH) For Direct Control Type.

Glove Compartment Light - On Instrument Panel Behind Compartment Door.

Parking Brake Signal - On Parking Brake Pedal Arm.

Ash Tray Light - Controlled by Main Light Switch.

Courtesy Light - Automatic Control By Front Door Dome Light Switches - Manual Switch at Upper Center of Instrument Panel.

Other Switches (Cont'd) - Safeguard Speedometer Speed Selector on Left of Speedometer.

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MODEL	CHIEFTAIN	SUPER CHIEF	STAR CHIEF	BONNEVILLE		

ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-5400 S, dual headlight 2-4001, 2-4002.
Indicate accessories which are not standard equipment by an asterisk following the numbers.

Headlamps & arrangement	2 -#4001, 2-#4002 - Horizontal	Air Conditioning Panel Light*	1 #57 *	
Headlamp beam indicator	1 #57	Parking Brake Signal Light*	1 #57 *	
Parking light	2 #1034	Hydra-Matic Shift Indicator	1 #57 *	
Tail light	4 #1034	Compass Light	1 #112 *	
Stop light	Same as Tail Light	Door Lock Warning Light	1 #53 *	
Direction signal	Front	Same as Parking Light	Safeguard Speedometer Dial	2 #53 *
	Rear	Uses Stop Light Filaments		
	Indicator	2 #57		
License plate light	1 #67			
Instrument light	4 #57			
Ignition lock light	1 #53			
Back up light	2 #1073*			
Dome light	1 #1004			
Clock light	1 #57**			
Radio light	1 #57*			
Glove compartment light	1 #57*			
Courtesy Light	2 #89 (Std. on Chieftain Conv. & All Star Chief & Bonneville-Acc.on othe			
Trunk Light	1 #1003*			
Heater Panel	1 #57*			
Spot Light	1 #4004*			
Ash Tray Light	2 #53*			
Under Hood "	1 #93*			

ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

Use trade number of fuse, e.g., SFE-10. Indicate circuit breaker by ampere capacity suffixed by letters "C.B.," e.g., 30 C.B. Where fuse or circuit breaker protects multiple circuits indicate first use by a letter and repeat the same letter for all units protected by the same fuse or circuit breaker, e.g., Parking lights SFE-10 (a), Direction indicator same as (a).

Headlamp	22 C. B. (a)	Hydra-Matic Shift Indicator Light	Same as (e)
Headlamp beam indicator	Same as (a)	Air Conditioning Panel Light	Same as (e)
Parking light	Same as (a)	Air Conditioning Power	30 Fuse AGC (j)
Tail light	(a) Plus 7.5 Fuse (b)	Air Conditioning Relay Switch	14 Fuse (k)
Stop light	7.5 Fuse (c)	Underhood Light	Same as (i)
Direction indicator	7.5 Fuse (d)	Spot Light	Same as (h)
License plate light	Same as (b)	Parking Brake Signal Light	Same as (d)
Instrument light	4 Fuse (e)	Heater Blower Motor	Same as (k)
Ignition light	Same as (e)	Ash Tray Light	7.5 Fuse (l)
Back up light	7.5 Fuse (f)	Cigar Lighter	See Note (#)
Dome light	7.5 Fuse (g)	Power Antenna Motor	14 Fuse SFE (m)
Clock Power	7.5 Fuse (h)	Power Window Regulator	40 C. B. (n)
Clock light	Same as (e)	Memory Seat Motor	Same as (n)
Radio Dial Light	Same as (e)		
Glove compartment light	7.5 Fuse (i)	Fuel Injection Cold Enrichment Heater	1 Fuse (o)
Heater Panel	Same as (e)	Memory Seat Control	4 Fuse (q)
Courtesy Light	Same as (g)	Door Lock Warning Light	Same as (c)
Clock Motor	1 Fuse (p)	Safeguard Speedometer Buzzer	Same as (c)
Radio Power	Same as (f)	Safeguard Speedometer Dial Light	Same as (e)
Trunk Light	Same as (g)		

*Accessory.

**Accessory on Chieftain and Super Chief - Standard on Star Chief & Bonneville.

(#)Optional Lighters - One Uses Attached Fuse, the Other Has Integral C. B.

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MAKE OF CAR PONTIAC **MODEL YEAR** 1958 **DATE ISSUED** 9-6-57 **REVISED** _____
MODEL _____ | CHIEFTAIN | SUPER CHIEF | STAR CHIEF | BONNEVILLE

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type		Borg & Beck With Long Mfg. Driven Member
Type pressure plate springs		Coil
Total plate pressure (lb.)		2030
No. of clutch driven discs		One
Clutch facing	Material	Woven Molded Asbestos
	Outside & inside dia.	11.00 x 7.00
	Total eff. area (sq.in.)	99.58
	Thickness	.125
	Engagement cushioning method	Spring Action of Offset Driven Plate Spokes
Release bearing	Type & method of lubrication	Ball Thrust - Prepacked & Sealed
Torsional damping	Methods: springs, friction material	Coil Springs and Metal to Metal Friction

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	Standard
Manual with overdrive (std. or opt.)	None
Automatic (std. or opt.)	Optional

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds		Three	
Transmission ratios	In first	2.21:1	
	In second	1.32:1	
	In third	1.00:1	
	In fourth	None	
	In reverse	2.51:1	
Synchronous meshing, specify gears		Second and Third	
Lubricant	Capacity (pt.)	1.8 - Refill, 2.0 - Total	
	Type recommended	Extreme Pressure	
	SAE viscosity number	Summer	EP 80 or 90
		Winter	EP 80 or 90
		Extreme cold	EP 80 or 90

AMA Specifications – Passenger Car

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MODEL _____ CHIEFTAIN SUPER CHIEF STAR CHIEF BONNEVILLE

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		None
	Manual lockout (yes, no)		None
	Downshift accelerator control (yes, no)		None
	Minimum cut-in speed		None
	Gear ratio		None
	Lu- bri- cant	Capacity (Overdrive only)	
Separate filler (yes, no)		None	
Type recommended		None	
SAE vis- cosity number		Summer	None
		Winter	None
		Ext. cold	None

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Hydra-Matic	
Type describe	Fluid Coupling With Planetary Gears	
Method of Selection (Lever, Push Button or other)	Lever	
Selector Pattern	P - N - A DR - DRA - LO - R	
List gear ratios Selector Pattern and indicate which are used in each selector position	1. 00:1 - A DR 1. 55:1 - DRA & A DR 2. 55:1 - LO, DRA & A DR 3. 97:1 - LO(thru detent), DRA & A DR 3. 74:1 - R	
Max. upshift speeds—drive range(actual mph)	70 - Full Throttle	
Max. kickdown speeds—drive range(actual mph)	35 - Part Throttle - 65 - Full Throttle	
Torque convertor	Number of elements	Converter Not Used
	Max. ratio at stall at engine rpm	Converter Not Used
Lubricant	Type of cooling (air, water)	Water
	Capacity—refill (pt.)	18.4
	Type recommended	GM Hydra-Matic Drive Fluid - Type A
Special transmission features	Downshift 4th to 3rd: At Part Throttle Below 35 MPH, and At Full Throttle at 35 to 65 MPH. Automatic Upshift Protects Engine From Over-Speeding in all Forward Gears. Engine Braking in 3rd Gear With Selector in DRA in 2nd Gear in LO. Safety device prevents shifting	

into reverse at forward speeds that would damage transmission. Shift lever must be lifted over stop to enter 'Park' position. Engine starting in 'Park' position provided for.

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MODEL CHIEFTAIN BONNEVILLE SUPER CHIEF STAR CHIEF

DRIVE UNITS—PROPELLER SHAFT

Number used		Two	
Type (exposed, torque tube)		Exposed	
Outer diameter x length* x wall thickness	Manual transmission	Front: 2.25 x 32.21 x .083 Rear : 2.25 x 33.36 x .083	Front: 2.25 x 32.21 x .083 Rear : 2.25 x 35.36 x .083
	Overdrive transmission	None	
	Automatic transmission	Front: 2.25 x 27.81 x .083 Rear : 2.25 x 33.36 x .083	Front: 2.25 x 27.81 x .083 Rear : 2.25 x 35.36 x .083
Inter-mediate bearing	Type (plain, anti-friction)	Ball	
	Lubrication (fitting, prepack)	Pre-Packed	
Universal joints	Make	Saginaw	
	Number used	Three	
	Type (ball and trunnion, cross, other)	Cross	
	Bearing	Type (plain, anti-friction)	Anti-Friction
Lubric. (fitting, prepack)		Pre-Packed	
Drive taken through (torque tube or arms, springs)		Arms	
Torque taken through (torque tube or arms, springs)		Arms	

DRIVE UNITS—REAR AXLE

Description - (incl. limited slip differential)		Semi-Floating Hypoid Rear Axle - Safe-T-Track (Limited Slip) Differential Available as Optional Equipment		
Drive Pinion Offset		1.75		
No. of differential pinions		2 Std. - 4 with Optional Safe-T-Track Unit		
Gear ratio and No. of teeth	Automatic transmission	3.23:1 (42:13) Std.	3.08:1 (40:13) Optional	
	Overdrive trans.	None		
	Manual transmission	3.42:1 (41:12) Std. - 3.08:1(40:13), 3.23:1(42:13) & 3.64:1(40:11) Opt.		
Ring gear pitch diameter & O.D.		9.25 P.D.	9.27 O.D.	
Pinion adjustment (shim, other)		Shim		
Pinion bearing adj. (shim, other)		Collapsible Spacer		
Wheel bearing type		Single Row Ball Bearing		
Lubricant	Capacity (pt.)	5.5		
	Type recommended	Hypoid Gear Lubricant (a)		
	SAE viscosity number	Summer	90	
		Winter	90	
Extreme cold		90		

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

(a) Multipurpose Hypoid Gear Lubricant required with Optional Safe-T-Track Differential.

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MODEL CHIEFTAIN | SUPER CHIEF | STAR CHIEF | BONNEVILLE

DRIVE UNITS—WHEELS

Type & material		Steel Disc
Rim (size and flange type)		14 X 6K
Attachment	Type (bolt or stud)	Bolt
	Circle diameter	5
	Number and size	5 1/2-20

DRIVE UNITS—TIRES

Size (L-102) & ply rating	Standard (Tubeless)	8.00 x 14 - 4 Ply		
	Optional (Tubeless)	Opt. (a) 8.50 x 14 - 4 Ply	Opt. (b) 8.00 x 14 - 6 Ply Rating	
Type tires - nylon, etc.		Rayon Cord		
Rev/mile at 30 mph		754 Std.	738 Opt. (a)	N. A. Opt. (b)
Inflation press. (cold)	Front	22 Std.	20 Opt. (a)	28 Opt. (b)
	Rear	22 Std.	20 Opt. (a)	28 Opt. (b)

BRAKES—SERVICE

Type		Hydraulic, Internal Expanding, 2 Shoe, Single Anchor			
Power brake type		Vacuum - Optional			
Effective area (sq. in.)		154 Effective - 178 Total			
Percent brake effectiveness-front		57.5			
Drum	Diameter	Front	12.0		
		Rear	11.0		
Type and material		Steel Backed Centrifugally Cast Alloy Iron			
Bonded or riveted		Riveted			
Brake lining	Front Shoe	Material	Molded Asbestos		
		Size (length x width x thickness)	Front wheel	10.05 x 2.25 x .20	
			Rear wheel	9.29 x 1.75 x .20	
	Segments per shoe		One		
	Rear Shoe	Material	Molded Asbestos		
		Size (length x width x thickness)	Front wheel	12.92 x 2.25 x .20	
Rear wheel			11.93 x 1.75 x .20		
Segments per shoe		One			
Wheel cyl- inder bore	Front	1.125			
	Rear	1.00			
Master cylinder bore		1.00			
Available pedal travel		6.00			
Line pressure at 100 lb. pedal load		620 P. S. I.			
Shoe clearance adjustment		.015			

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MODEL CHIEFTAIN | SUPER CHIEF | STAR CHIEF | BONNEVILLE

BRAKES—PARKING

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

FRAME or UNITIZED CONSTRUCTION

Type and description	Tubular Center X Type with Box Section Side Bars Both Front and Rear
----------------------	----------------------------------------------------------------------

SUSPENSION—GENERAL

Provision for car leveling		Leveling Valves used with Optional Air Suspension
Provision for brake dip control		Compound Anti-Dive Control Front Suspension
Provision for acc. squat control		Geometry of Rear Suspension Links
Special provisions for car jacking		Car Lift Valve on Optional Air Suspension Cars Permits Full Extension of Air Springs for Maximum Road Clearance
Shock absorber front & rear	Type	Direct Acting - Two Way
	Make	Delco
	Piston dia.	1.00
Other special features		

SUSPENSION—FRONT

Type and description	Ball Joint Independent Front Suspension with Upper and Lower Control Arms Pivoted at Inner End on Threaded Bushings on Coil Spring (Standard) Cars - Rubber Bushing used on Optional Air Suspension Cars.
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(Continued)

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MAKE OF CAR PONTIAC **MODEL YEAR** 1958 **DATE: ISSUED** 9-6-57 **REVISED** 12-9-57

MODEL CHIEFTAIN BONNEVILLE SUPER CHIEF STAR CHIEF

SUSPENSION FRONT (cont.)

Spring	Type	Coil (Std.) - Air Cyl. and Bellows (Optional)	
	Material	SAE 9260 Steel (Std.) - Composite ((Optional)	
	Size (coil design height & I.D.; bar length x dia.)	10.90 x 4.05 (Std.) - 6.68 Nominal Cyl. O.D. (Opt.)	
	Spring rate (lb. per in.)	290 (Std.)	210 (Opt.)
	Rate at wheel (lb. per in.)	89.5 (Std.)	65 (Opt.)
	Design load (lb. @ design height)	R.H. 1890-1925, L.H. 1925-1960 (Std.) (a) (Opt.)	
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	SAE 1065 or 1070 Steel .750 Dia.*	

STEERING

Mechanical (std., opt., NA)			Std.	
Power (std., opt., NA)			Opt.	
Wheel diameter			17.5	
Turning diameter	Outside front	Wall to wall (l. & r.)	43.6'	
		Curb to curb (l. & r.)	42.1'	
	Inside rear	Wall to wall (l. & r.)	24.1'	
		Curb to curb (l. & r.)	25.8'	
Outside wheel angle with inside wheel at 20°			18 to 19°	
Mechanical	Gear	Type	Recirculating Ball Bearing	
		Make	Saginaw	
		Ratios	22:1	
			Overall	27:1
		No. wheel turns		5.0
Power	Type		Hydraulic	
	Make		Saginaw	
	Trade name		Power Steering	
	Gear	Type	Recirculating Ball Bearing	
		Ratios	17.5:1	
		Overall	22:1	
	Pump driven by		Belt From Crankshaft	
	Overall torque ratio		Variable	
Number wheel turns		4.25		
Linkage	Type		Link Parallelogram	
	Location (front or rear of wheels, other)		Rear of Wheels	
	Drag link (trans. or longit.) Tie rods (one or two)		Transverse Steering Rod Connects Tie Rods, Pitman & Idle Arms Two	

* .8125 Dia. with Air Suspension.

(a) Not applicable.

(Continued)

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MODEL _____ CHIEFTAIN BONNEVILLE SUPER CHIEF STAR CHIEF

STEERING (cont.)

Steering Axis	Inclination at camber (deg.)		4° 50' @ 0° Camber
	Bearings (type)	Upper	Ball Joint
		Lower	Ball Joint
		Thrust	Thrust Taken By Lower Ball Joint
Wheel alignment (range and preferred)	Caster (deg.)		1/2° Negative ± 1/2°
	Camber (deg.)		1/2° Positive ± 1/2°
	Toe-in (outside tread-inches)		0 To .062 Toe-In Measured 9 In. Above Floor
Steering spindle & joint type			Reverse Elliot - Ball Joints
Wheel spindle	Diameter	Inner bearing	1.249
		Outer bearing	.749
	Thread size		3/4 - 20
	Bearing type		Ball

SUSPENSION—REAR

Type and description			Pivoted Control Arm			
Drive and torq. taken through (see page 14)			Control Arms			
Spring	Type		Coil (Std.)	-	Air Cyl. and Bellows (Opt.)	
	Material		SAE 9260 Steel (Std.)	-	Composite (Opt.)	
	Size (length x width, coil design height and I.D.; bar length & dia.)		9.50 x 4.62 (Std.)	-	5.68 Nominal Cyl. O.D. (Opt.)	
	Spring rate (lb. per in.)		190 (1)	-	205 (1)	
	Rate at wheel (lb. per in.)		115 (1)	-	125 (1)	
	Design load (lb. at design height)		R.H. 1325-1360*; L.H. 1360-1395*			
	Mounting insulation type		Rubber			
	If leaf	No. of leaves		None		
		Inserts	Type and size	None		
			Material	None		
Shackle (comp. or tens.)		None				
Stabilizer	Type (link, linkless, frameless)		Link (a)			
	Material		SAE 1065 or 1070 Steel (a)			
Track bar type			None - Upper Control Arm Serves			

- (1) Rates shown apply to Coupes and Sedans with Standard Springs - Optional Air Suspension Data Not Available. Rev. Form 6-57
- * Spring Loads apply to Chieftain 4-Door Sedans, Super Chief & Star Chief Coupes and Sedans - Bonneville Loads Not Shown.
- (a) Used on All Air Suspension (Optional) Chassis and Station Wagons with Standard Coil Springs.

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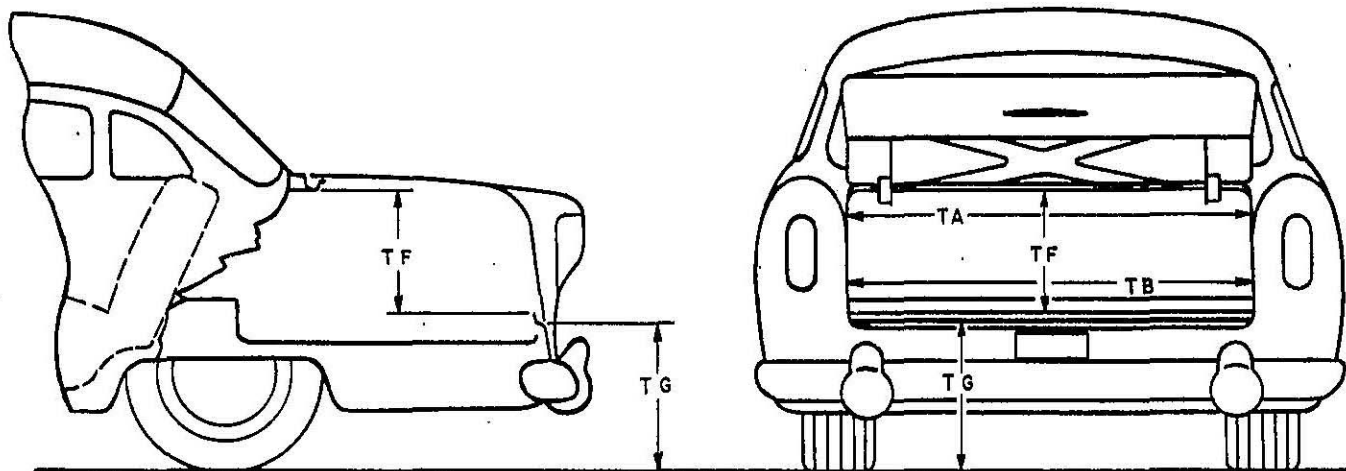
BODY—GENERAL DEFINITIONS

NOTE: Included in the dimension definitions listed on this and the following pages are those which have been adopted by the S.A.E. These are indicated by a number following the type of dimension, e.g. L 3. Additional dimensions have been added by the AMA Specifications Body Subcommittee for inclusion in the Questionnaire. These are shown by an additional letter, e.g., HA. Symbol "a" added as suffix to SAE dimensions indicates an AMA modification. The dimensions are developed from the following basic points:

1. Front and rear seat free "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
2. Front and rear seat "B" points are located on seat back 15" from center of body at height of horizontal tangent to top of seat cushion.
3. Front seat is in the full down and normal rearmost position.
4. Loaded position—5 passenger, front 300 lb., rear 450 lb.; includes spare wheel, tire and tools, and full complement of gas, oil, water, and tires to recommended pressure, etc.
5. C/L (centerline).
6. D. L. O. (daylight opening, exposed glass dimension - pages 21, 23 & 25).
7. Ramp breakover angle (page 21) is the supplement of the included ramp angle (180° minus the included ramp angle) over which a car can pass without hanging up.

MODEL	CHIEFTAIN	SUPER CHIEF	STAR CHIEF	BONNEVILLE
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BODY—TRUNK DIMENSIONS



Usable trunk luggage capacity (see Section H1 of SAE Automotive Drafting Standards)	14.712 (a)	17.445 (b)	N. A.
TA—Width across the top		44.1	40.0
TB—Width across the bottom		44.1	40.0
TF—Vertical dimension at C/L from bottom to top of opening.		17.4	16.4
TG—Vertical height from ground to trunk lower opening (normal surface of outside sheet metal - loaded)		19.7	
Position of spare tire stowage	Inclined Outward on RH Side		
Method of holding lid open	Torsion Bar Counterbalance		

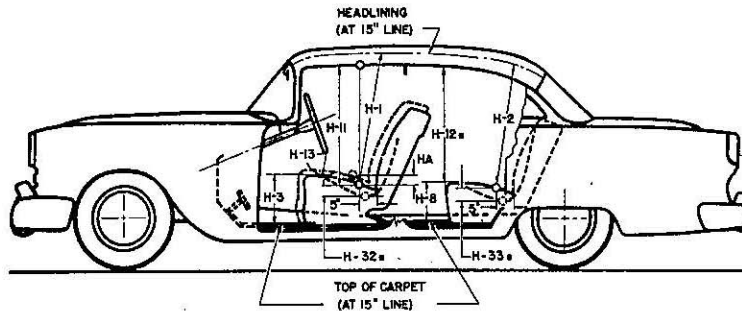
(a) Base Set Plus (2) 15 x 9 x 8 Units.

(b) Base Set Plus (1) 26 x 16 x 9, (1) 21 x 14 x 7 and (1) 15 x 9 x 8 Units.

AMA Specifications – Passenger Car

MAKE OF CAR PONTIAC MODEL YEAR 1958 DATE ISSUED 9-6-57 REVISED _____
 MODEL _____ CHIEFTAIN SUPER CHIEF STAR CHIEF BONNEVILLE

BODY—HEIGHT DIMENSIONS--INTERIOR

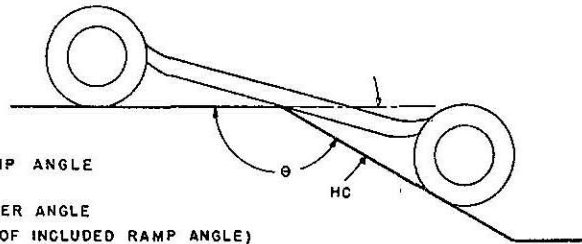
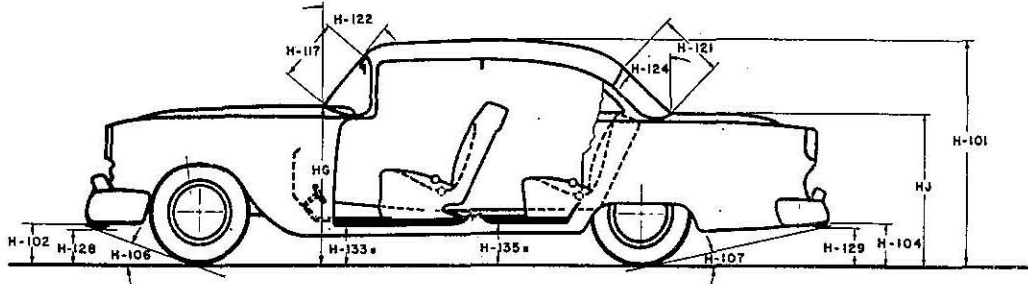


H1. Front headroom—from free "A" pt. to headlining at 8° back of vertical on 15" line. (For "A" pt. see note 1, page 19)	35.0	
H2. Rear headroom—from free "A" pt. to headlining at 8° back of vertical on 15" line.	34.3	33.5
H3. Front cushion height above low point on floor carpet on 15" line (front edge of cushion).	10.4	10.1
H8. Rear cushion height above low point on floor carpet on 15" line (front edge of cushion).	13.0	12.9
H11. Entrance—front—cushion free "A" point to bottom windcord vertical.	28.8	27.8
H12a. Entrance — rear — top of cushion at vertical tangent to front of rear seat, to bottom of windcord in rear.	27.7	-
H13. Steering wheel clearance to seat cushion taken on arc (wheel turned for min. clearance).	5.1	4.9
HA. Front seat maximum vertical rise at free "A" point.	.10	.96
HF. Front seat maximum vertical rise of free "A" point with multiple-position seat.	1.9	
H32a. Front seat depressed depth — vertical dimension from free "A" point to depressed "A" point.	N. A.	
H33a. Rear seat depressed depth — vertical dimension from free "A" point to depressed "A" point.	N. A.	

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 MODEL _____ CHIEFTAIN | SUPER CHIEF | STAR CHIEF | BONNEVILLE

BODY-HEIGHT DIMENSIONS-EXTERIOR



θ - INCLUDED RAMP ANGLE
 HC - RAMP BREAKOVER ANGLE
 (SUPPLEMENT OF INCLUDED RAMP ANGLE)

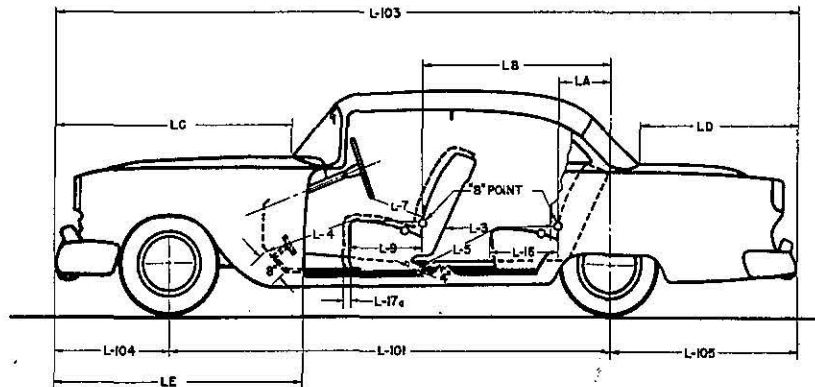
H101. Overall height - loaded.	57.0			55.6
HB. Overall height - curb weight.	59.0			57.0
H102. Front bumper bottom to ground at normal section.	9.6			9.1
H104. Rear bumper bottom to ground at normal section.	10.2			9.7
H106. Angle of appr.-fr. tire static loaded rad. to interfering pt. on fr. bumper, gd., other.	17° 55'			17° -2'
H107. Angle of dep.-fr. tire static loaded rad. to interfering pt. on rr. bumper, gd., other.	11° 10'	10° -34'		10° -18'
HC. Ramp breakover angle.*	11° 42'	11° 32'		10° -48'
H117. Windshield DLO-slant height.	18.2			
H121. Backlight DLO*-max., slant height.	17.3			
H122. Windshield slope angle to vertical line on car axis.	42.5°			
H124. Backlight slope angle to vertical line on car axis.	54.0°			
H128. Ground to bottom of front bumper guard.	10.3			9.8
H129. Ground to bottom of rear bumper guard.	10.2			9.7
H133a. Bottom of front door to ground, min. dimension - car loaded.	11.46			10.96
H135a. Bottom of rear door to ground, min. dimension - car loaded.	11.46			None
HD. Min. road clear. (5 pass. load) & loc.	6.26 (a)			5.76 (a)
HE. Min. road clearance at rear axle.	6.6			
HG. Hood at rr. to grd.-vert. dim. excl. molding, fr. hood opening line at cowl (curb wt.)	39.20			38.70
HH. Max. ht., fr. grd. frt. of windshield (curb wt.)	41.71	41.66	41.66	40.94
HJ. Max. ht. fr. grd. back of r. window (curb wt.)	41.72	41.40	41.40	39.92

* See Notes, page 19.
 (a) Clearance at frame side bar junction plate.

AMA Specifications — Passenger Car

MAKE OF CAR PONTIAC MODEL YEAR 1958 DATE ISSUED 9-6-57 REVISED 12-9-57
 MODEL CHIEFTAIN | SUPER CHIEF | STAR CHIEF | BONNEVILLE

BODY—LENGTH DIMENSIONS



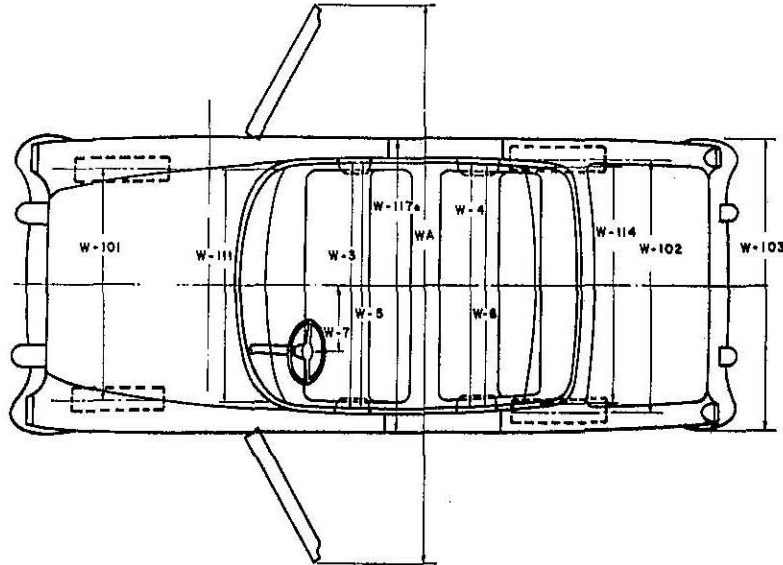
Interior	* L3. Rear compartment of front seat back to rear seat back.	29.7		25.9
	* L4. Leg room—front—ball of foot to top of seat to seat back—15" line.	44.7	44.5	
	* L5. Leg room—rear—from ball of foot to top of seat cushion and to seat back†	41.6	41.4	37.7
	L7. Steering wheel clearance to seat back taken on arc.	14.5		
	* L9. Front seat depth (front edge to vert. tan. to seat back on 15" line).	18.3		
	* L16. Depth of rear seat (front edge to seat back).	18.4		18.3
	L17a. Total adjustment of front seat at front lower seat frame.	4.7		
	LA. Rear seat "B" point to center line of rear axle.	17.4	19.4	21.2
	LB. Front seat "B" point to center line of rear axle.	53.2	55.2	53.2
	LC. Front of car to base of windshield.	62.9		
LD. Rear of car to base of rear window or upper structure.	44.5	49.5	49.0	
LE. Front of car to front edge of front door.	70.4			
Exterior	L101. Wheelbase.	122	124	122
	L103. Overall length (bumper to bumper inc. guards).	210.5	215.5	211.7
	L104. Overhang—front including bumper guards.	34.5		
	L105. Overhang—rear including bumper guards.	54.0	57.0	55.2

* Dimension taken on 15" line—see notes 1 & 2, page 19.

AMA Specifications - Passenger Car

MAKE OF CAR PONTIAC MODEL YEAR 1958 DATE ISSUED 9-6-57 REVISED _____
 MODEL _____ CHIEFTAIN | SUPER CHIEF | STAR CHIEF | BONNEVILLE

BODY - WIDTH DIMENSIONS

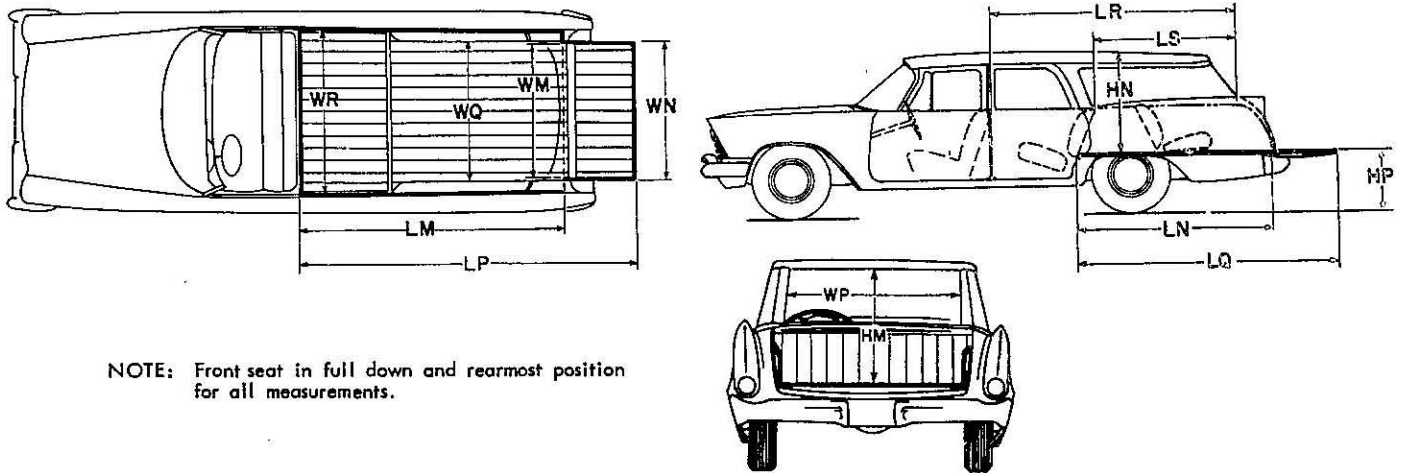


Interior	W3. Front shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	56.4	56.2
	W4. Rear shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	56.2	52.5
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back.	62.0	63.0
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back.	63.1	54.5
	W7. Steering wheel center to center of body.	15.6	
Exterior	W101. Front tread at ground.	58.7	
	W102. Rear tread at ground.	59.4	
	W103. Max. overall width of car including bumpers or mouldings.	77.4	
	WA. Max. overall width of car with doors open.	144.3	154.4
	W111. Windshield DLO, max. width.	60.3	60.3
	W114. Back window DLO, max. width.	60.2	57.5
	W117a. Max. body width at center pillar, less hardware and applied moldings.	74.0	"

AMA Specifications – Passenger Car

MAKE OF CAR PONTIAC MODEL YEAR 1958 DATE: ISSUED 9-6-57 REVISED _____
 MODEL _____ CHIEFTAIN STAR CHIEF

STATION WAGON—CARGO SPACE DIMENSIONS



NOTE: Front seat in full down and rearmost position for all measurements.

	4 Dr. 2 Seat	4 Dr. 3 Seat	4 Dr. 2 Seat
LM Floor length from bottom of front seat to inside of tail gate in raised position.	91.1		
LN Floor lgth. from bottom of second seat to inside of tail gate in raised position.	56.5	60.6	56.5
LP Floor lgth. from bottom of front seat to end of tail gate in lowered position.	109.3		
LQ Floor lgth. from bottom of second seat to end of tail gate - tail gate lowered.	74.7	78.8	74.7
HM Maximum hgth. of rear opening - tail gate lowered.	30.0		
WM Rear end opening width at floor.	47.1		
WN Rear end opening width at top of tail gate.	47.1		
WQ Minimum distance between wheelhouses.	46.4		
WP Maximum width of rear opening above raised tail gate.	53.0		
WR Maximum width of cargo space at floor.	50.0		
LR Cargo horizontal distance from top rear of front seat back to top of tail gate.	77.6		
LS Cargo horizontal distance from top rear of second seat back to top of tail gate.	44.8	49.4	44.8
HN Maximum height of roof above floor at center line of car.	34.3		
HP Platform height of end of lowered tail gate - curb weight.	23.8		
Third Seat - facing direction.	Front		

AMA Specifications - Passenger Car

MAKE OF CAR PONTIAC MODEL YEAR 1958 DATE ISSUED 9-6-57 REVISED _____
 MODEL CHIEFTAIN | SUPER CHIEF | STAR CHIEF | BONNEVILLE

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front
	Rear doors	Front
Type of finish (lacquer, enamel).	Lacquer	Acrylic Lacquer or Lacquer
Hood hinge location (front, rear).		Rear
Hood counterbalanced (yes, no).		Yes
Hood release control (internal, external).		External
Vehicle (Serial) No. Location		Left Front Body Pillar
Engine No. location		Front of RH Cylinder Bank
Theft protection - type	Ignition Switch Terminals Guarded by Locked on Connector Body*	
Vent window control method (crank, friction pivot).		Crank
Windshield type (single curved, compound curved, other)		Single Curved
Rear window type (flat, curved, one piece, three piece)		Curved - One Piece
Side glass type (curved, flat)		Flat
Windshield glass area D.L.O.	1135.4	1064.7
Backlight glass area D.L.O.	1056.0	992.5
Total glass area D.L.O.	3497.6	3142.6

BODY—TYPES AND STYLE NAMES —

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

BODY STYLES: & Number of Passengers	CODES			
4 Dr. Sedan	6	2749	2849D	2849SD
2 Dr. Sedan	6	2741		
4 Dr. Catalina Sedan	6	2739	2839D	2839SD
2 Dr. Catalina Sedan	6	2731	2831D	2831SD
2 Dr. Convertible Cpe.	5	2567		2567SD
4 Dr. 2 Seat Safari (Sta. Wgn.)	6	2793		2793SD
4 Dr. 3 Seat Safari (Sta. Wgn.)	9	2794		
2 Dr. Sport Coupe	5			2547SD

* Ignition key starter control and "in harness" wiring from ignition switch to starter solenoid and ignition coil add to theft protection offered by locked doors. Rev. Form 6-57

AMA Specifications -- Passenger Car

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