

1971

AMA SPECIFICATIONS FORM

. . . Passenger Car

MANUFACTURER	CAR NAME	
Pontiac Motor Division General Motors Corporation	PONTIAC - Grand Prix	
MAILING ADDRESS	MODEL YEAR	ISSUED:
	1971	9-9-70
		REVISED (•)

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AMA Specifications Form—Passenger Car

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NOTES:

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

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (*)
GRAND PRIX

BODY MODEL	Body type, number of passengers, and style names; use manufacturer's code for series & body style.	
Body Type	No. of Passengers	Body Style Number
Hardtop Coupe	5	27657

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (*)

CAR AND BODY DIMENSIONS

See Pages 27, 28 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for:
4-Dr. Sedan, 2-Dr. H.T., 4-Dr. H.T., Convertible and Station Wagon.

MODEL	SAE Ref. No.	GRAND PRIX
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WIDTH

Track - Front	W101	62
Track - Rear	W102	60
Maximum overall car width	W103	76.4
Body width at No. 2 pillar	W117	--

LENGTH

Body "O" to front of dash	L 30	0
Wheelbase	L101	118
Overall car length	L103	212.9
Overhang - front	L104	41.3
Overhang - rear	L105	54.5
Body upper structure length	L123	93.9
Body "O" line to ϕ of rear wheel	L127	95.4
Body "O" line to w's cowl point	L130	6.2

HEIGHT

Passenger Distribution (front & rear)		2 & 3
Trunk/Cargo load (lbs.)		0
Overall height	H101	52.0
Cowl height	H114	38.4
Deck height	H138	35.9
Rocker panel - front	To ground	H112 7.6
	From front wheel ϕ	38.0
Rocker panel - rear	To ground	H111 7.0
	From rear wheel ϕ	19.0
Windshield slope angle	H122	53°

GROUND CLEARANCE

Bumper to ground - front	H102	14.3
Bumper to ground - rear	H104	14.3
Angle of approach	H106	15.5
Angle of departure	H107	13.4
Ramp breakover angle	H147	10.6
Min. running clearance (Specify)	H156	4.2

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CAR AND BODY DIMENSIONS

See Pages 27, 28 for SAE Dimension Definitions
(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	GRAND PRIX
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FRONT COMPARTMENT

Effective head room	H61	37.5
Max. eff. leg room — accelerator	L34	42.4
H Point to Heel point	H30	8.0
H Point travel	L17	4.8
Shoulder room	W 3	58.2
Hip room	W 5	57.5
Upper body opening to ground	H50	47.5

REAR COMPARTMENT

H Point couple distance	L50	30.7
Effective head room	H63	36.5
Min. effective leg room	L51	31.6
H Point to Heel point	H31	10.0
Min. knee room	L48	1.5
Rear Compartment room	L 3	24.3
Shoulder room	W 4	57.1
Hip room	W 6	52.7
Upper body opening to ground	H51	—

LUGGAGE COMPARTMENT

Usable luggage capacity	V 1	12.0
Liftover height	H195	25.7
Position of spare tire storage		Flat — Std., Vertical with Space Saver Spare
Method of holding lid open		Torsion Bar Counterbalance

STATION WAGON — THIRD SEAT

Shoulder Room	W85	
Hip room	W86	
Effective leg room	L86	
Effective head room	H86	
Seat facing direction		

STATION WAGON — CARGO SPACE

Cargo length at floor — front seat	L202	
Cargo length at belt — front seat	L204	
Cargo width — Wheelhouse	W201	
Opening width at belt	W204	
Maximum cargo height	H201	
Rear opening height	H202	
Cargo volume index (cu. ft.) W4 x L204 x H201 1728	V2	

STATION WAGON NOT AVAILABLE THIS MODEL

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POWER TEAMS

(Indicate whether standard or optional)

(Gross bhp (brake horsepower) and gross torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.)

(Net bhp (brake horsepower) and net torque corrected to 85° F and 29.00 in. Hg atmospheric pressure.)

MODEL AVAILABILITY	ENGINE							TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)
	Displ. cu. in.	Carb	Compr. Ratio	BHP @ RPM		Torque @ RPM			
				Gross	Net	Gross	Net		
STANDARD ENGINE	400	4 bbl.	8.2	300 @ 4800	255 @ 4400	400 @ 3600	340 @ 3200	Manual (3-Sp. HD) Manual (4-Sp. Wide Ratio) (M20) Turbo Hydra-Matic (M40)	3.23 (a) 3.23 (a) 3.08 (a), 3.23
OPTIONAL ENGINES									
455 4-bbl. (L75)	455	4-bbl.	8.2	325 @ 4400	260 @ 4000	455 @ 3200	380 @ 2800	Turbo Hydra-Matic (M40)	3.07 (a)

(a) Both air conditioning and non-air conditioning.

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MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (*)MODEL GRAND PRIX

ENGINE - GENERAL

		400 V8	455 V8
Type, no. cyls., valve arr.		90° V, 8, In-Head	
Bore and stroke (nominal)		4.1200 x 3.746	4.1510 x 4.206
		4.1224 x 3.754	4.1534 x 4.214'
Piston displacement, cu. in.		400	455
Bore spacing (C to C)		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)		8.2:1	
Cylinder Head Combustion Chamber Volume (cc)		95.61	111.89
Cylinder Head Material		Alloy Cast Iron	
Cylinder Block Material		Alloy Cast Iron	
Cyl. Sleeve-Wet, dry, none		None	
Number of	Front	2	
mtg. points	Rear	1	
Engine installation angle		4.7° (a)	
Taxable Dia ² xNo. Cyl. horsepower 2.5		54.3	55.2
Recommended fuel regular - premium		Regular (91 Octane)	

ENGINE - PISTONS

Material	Aluminum Alloy		
Description and finish	Cam Ground Slipper Type - Tin Plated		
Weight (piston only) oz.	22.070 - 22.250		20.515 - 20.695
Clearance (limits)	Top land	.017 - .021	.024 - .029
	Skirt Top	.0025 - .0033 (b)	.0025 - .0033 (c)
	Bottom	.0020 - .0038	.0020 - .0038
Ring groove diameter	No. 1 ring	3.677 - 3.667	3.710 - 3.700
	No. 2 ring	3.677 - 3.667	3.710 - 3.700
	No. 3 ring	3.680 - 3.670	3.740 - 3.730
	No. 4 ring	None	

(a) Manual transmission; 4.8° Hydra-Matic transmission.

(b) Pistons selected for clearance at 1.110 below top of piston.

(c) Pistons selected for clearance at 1.08 below top of piston.

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MODEL

GRAND PRIX

ENGINE - RINGS

400 Cu. In. Engines

Optional
455 Cu. In. Engine

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 Reverse Twist - No. 1 Barrel Face Moly Channel, No. 2 Taper Face Tin Plated
	Width	.0778 (a)
	Gap	No. 1 - .019 (b), No. 2 - .015
Oil	Description - material, coating, etc.	Multi-Piece (2 Rails and 1 Spacer 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
	Bush- ing	In rod or piston
	Material	--
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 400-A (c)
	Overall length	.88
	Clearance (limits)	.0005 - .0026 .0010 - .0031
	End play	.012 - .017 (Total for Two)

(a) No. 2 .0623 on 455 cu. in. engine.

(b) No. 1 .021 on 455 cu. in. engine.

(c) Steel backed removable precision.

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GRAND PRIX

MODEL

ENGINE - CRANKSHAFT 400 Cu. In. Engines 455 Cu. In. Engine

Material		Nodular Iron	
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
No. bolts/main brg. cap		2	
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	Hardened Sintered Iron	
	Camshaft gear or sprocket material	Aluminum Alloy with Nylon Covered Teeth	
	Timing chain	No. of links	60
		Width	.88 (Morse)
		Pitch	.375

*Material Changes to Moraine 400-A as Follows:

#1, 2, 3, and 4 Lower Locations of 400 Engine.

All Lower Locations of 455 Engines.

**Clearance Changes to .00035 - .00195 on #1 Location of 455 Engine.

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MODEL		GRAND PRIX				
ENGINE - VALVE SYSTEM		Std. 400 Cu. In. Engine Manual Transmission		Optional 400 Cu. In. Engines Auto. Trans. (M40) Man. Trans. (M40)		
Hydraulic lifters (Std., opt., NA)		Standard				
Valve rotator, type (intake, exhaust)		None				
Rocker ratio		1.5:1				
Operating tappet clearance (indicate hot or cold)	Intake	0				
	Exhaust	0				
Timing (based on top of ramp points)	Intake	Opens (-BTC)	23	23	23	
		Closes (-ABC)	70	70	70	
		Duration - deg.	273	273	273	
	Exhaust	Opens (+BBC)	78	78	78	
		Closes (+ATC)	31	31	31	
		Duration - deg.	289	289	289	
	Valve opening overlap		54	54	54	
Material		GM-8440 W/Al Treatment on Face & Fl. Cr. Plated Stem				
Overall length		4.959	4.959	4.959		
Actual overall head dia.		2.113 - 2.107	2.113 - 2.107	2.113 - 2.107		
Angle of seat & face		30° Seat-29° Face				
Seat insert material		None				
Stem diameter		.3419 - .3412				
Stem to guide clearance		.0016 - .0033				
Intake	Lift (- zero lash)		.410 ± .011	.410 ± .011	.410 ± .011	
	Outer spring press. & length	Valve closed (lb. in.)	52.8 @ 1.5983	58.0 @ 1.5683	52.8 @ 1.5983	
		Valve open (lb. in.)	66.8 @ 1.1878	72.0 @ 1.1578	66.8 @ 1.1878	
	Inner spring press. & length	Valve closed (lb. in.)	123.6 @ 1.5283	128.8 @ 1.5283	123.6 @ 1.5283	
		Valve open (lb. in.)	137.6 @ 1.1178	142.8 @ 1.1178	137.6 @ 1.1178	
	Material		21-2 Steel W/Al Treatment on Face & Fl. Cr. Plated Stem			
	Overall length		4.948	4.948	4.948	
	Actual overall head dia.		1.773 - 1.767	1.773 - 1.767	1.773 - 1.767	
	Angle of seat & face		45° Seat - 44° Face			
	Seat insert material		None			
Stem diameter		.3414 - .3407				
Stem to guide clearance		.0021 - .0038				
Exhaust	Lift (+ zero lash)		.413 ± .011	.413 ± .011	.413 ± .011	
	Outer spring press. & length	Valve closed (lb. in.)	52.8 @ 1.5983	58.0 @ 1.5683	52.8 @ 1.5983	
		Valve open (lb. in.)	66.8 @ 1.1844	72.0 @ 1.1544	66.8 @ 1.1844	
	Inner spring press. & length	Valve closed (lb. in.)	124.2 @ 1.5283	129.4 @ 1.5283	124.2 @ 1.5283	
		Valve open (lb. in.)	138.2 @ 1.1144	143.4 @ 1.1144	138.2 @ 1.1144	

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MODEL		GRAND PRIX		
ENGINE—VALVE SYSTEM		455 Cu. In. Automatic Transmission		
Hydraulic lifters (Std., opt., NA)		Standard		
Valve rotator, type (intake, exhaust)		None		
Rocker ratio		1.5:1		
Operating tappet clearance (indicate hot or cold)	Intake	Zero		
	Exhaust	Zero		
Timing (based on top of ramp points)	Intake	Opens (°BTC)	23	
		Closes (°ABC)	70	
		Duration - deg.	273	
	Exhaust	Opens (°BBC)	78	
		Closes (°ATC)	31	
		Duration - deg.	289	
Valve opening overlap		54		
Intake	Material		GM 8440 W/Al Treatment on Face & Fl. Cr. Plated Stem	
	Overall length		4.880	
	Actual overall head dia.		2.113 - 2.107	
	Angle of seat & face		30° Seat - 29° Face	
	Seat insert material		None	
	Stem diameter		.3419 - .3412	
	Stem to guide clearance		.0016 - .0033	
	Lift (- zero lash)		.410 ± .011	
	Outer spring press. & length	Valve closed (lb. - in.)	57.8 @ 1.5693	
		Valve open (lb. - in.)	128.6 @ 1.1588	
	Inner spring press. & length	Valve closed (lb. - in.)	31.6 @ 1.5293	
		Valve open (lb. - in.)	96.1 @ 1.1188	
	Exhaust	Material		21-2 Steel W/Al Treatment on Face & Fl. Cr. Plated Stem
		Overall length		4.869
Actual overall head dia.		1.773 - 1.767		
Angle of seat & face		45° Seat - 44° Face		
Seat insert material		None		
Stem diameter		.3414 - .3407		
Stem to guide clearance		.0021 - .0038		
Lift (- zero lash)		.414 ± .011		
Outer spring press. & length		Valve closed (lb. - in.)	57.8 @ 1.5693	
		Valve open (lb. - in.)	129.2 @ 1.1554	
Inner spring press. & length		Valve closed (lb. - in.)	31.6 @ 1.5293	
		Valve open (lb. - in.)	96.7 @ 1.1154	

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MODEL GRAND PRIX

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
Oil pump type	Spur Gear	
Normal oil pressure (lb. / engine rpm)	55-60 Above 2600 RPM	
Oil press. sending unit (elect. or mech.)	Electric	
Type oil intake (floating, stationary)	Stationary Screen	
Oil filter system (full flow, part., other)	Full Flow	
Filter replacement (element, complete)	Complete	
Capacity of c/case, less filter-refill (qt.)	5	
Oil grade recommended (SAE viscosity and temperature range)	Above 20° F.: 20W, 10W-30, 10W-40, 20W-40 From 0° to 60° F.: 10W, 5W-30, 10W-30, 10W-40 Below 0° F.: 5W, 5W-20, 5W-30	
Engine Service Reqmt. (MM, MS, etc.)	MS	

ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Dual	
Muffler No. & type (reverse flow, straight thru, separate resonator)	Two - Reverse Flow	
Exhaust pipe dia. (O.D., wall thick.)	Branch	None
	Main	2.00 x .060
Tail pipe dia. (O.D. & wall thickness)	2.25 x .048 - Aluminized	

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MODEL

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 (U.S. gals.)	26.0	
	Filler location	Center Rear	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Left Front of Engine	
	Pressure range	5.0 - 6.5	
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type and Locations	Plastic Fabric in Fuel Tank & Pleated Paper in 4-bbl. Carb. Inlet	
	Choke type	Automatic	
Carburetor	Intake manifold heat control (exhaust or water)		
	Exhaust - Control Valve Not Used		
	Air cleaner type	Standard	Oil Wetted Paper
		Optional	Two-Stage - Wetted Plastic Foam Over Paper Element
	Idle speed (spec. neutral or drive)	Manual N	600 (a)
Automatic D		700 (b)	
N	D	Idle A/F mix.	Not Specified

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
Standard	400	Manual Turbo H-M	Rochester	7041263	1,4-bbl	P. 1.38
			Rochester	7041264	1,4-bbl	S. 2.25
Optional	455	Turbo H-M	Rochester	7041262	1,4-bbl	P. 1.38 S. 2.25

(a) With idle stop solenoid inactive; 1000 with idle stop solenoid active.
 (b) With 400 Engine; 650 with 455 Engine,

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ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)	Pressure Vented					
Radiator cap relief valve pressure	14 - 17 PSI					
Circulation thermostat	Type (choke, bypass)	Choke				
	Starts to open at (°F)	195				
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 (inter., ext.)	Internal					
Radiator core type (cellular, tube and fin, other)	Tube and Center					
Cooling system capacity	With heater (qt.)	18.7 (18.1 with 455 Option)				
	Without heater (qt.)	Heater Standard Equipment				
	Opt. equipment-specify (qt.)	Air Conditioning 19.7 (19.2 with 455 Engine Options)				
Water jackets full length of cyl. (yes, no)	Yes					
Water all around cylinder (yes, no)	Yes					
Radiator hose	Lower	Number and type (molded, straight)	One, Molded			
		Inside diameter	1.50			
	Upper	Number and type (molded, straight)	One, Molded			
		Inside diameter	1.50			
	By-pass	Number and type (molded, straight)	Hose not Used			
		Inside diameter	--			
Fan	Number of blades & spacing	5-Blade Power-Flex (a)				
	Diameter	18.8				
	Ratio-fan to crankshaft rev.	.91:1 (1.25:1 with A/C)				
	Fan cutout type	Fluid Clutch--Thermostatically Controlled with A/C				
* Drive belts (indicate belt used by letter)	Bearing type	See Water Pump				
	Fan	A	B, C	A	B, E	C, E
	Generator or alternator	A	B	A	B	C
	Water Pump	A	B, C	A	B, E	C, E
	Power Steering		C		E	E
	Air Conditioning			D	D	D
					80 Amp Alt.	

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	36°	36°	36°	36°	36°						
Nominal length (SAE)	47.5	48.0	51.08	59.24	50.5						
Width	.38	.38	.47	.47	.47						

(a) 7-Blade 19.5 Diameter with A/C

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VEHICLE EMISSION CONTROL

Exhaust Emission Control	Type (Air injection, engine modifications, other)			
	Air Injection Pump	Type		
		Displacement		
		Drive ratio		
		Drive type		
		Relief valve (type)		
	Air Injection System	Filter (describe)		
		Air distribution (head, manifold, etc.)		
		Point of entry		
		Injection tube i.d.		
Check valve type				
Backfire protection (type)				
Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Standard Induction System	
			Optional None	
	Control Unit	Make and model	AC Type CV-679C	
		Location	Push Rod Cover	
		Energy source (manifold vacuum, carburetor, other)	Manifold Vacuum	
		Control method (variable orifice, fixed orifice, other)	Variable Orifice	
	Complete system	Discharges (to intake manifold, other)	Intake Manifold	
		Air inlet (breather cap, other)	Through Filter in Carburetor Air Cleaner	
Flame arrestor (screen, other)		Check Valve		
Evaporative Emission Control	Fuel Tank	Refill Capacity (U.S. gallons)	26.0	
		Thermal expansion volume (cu. ft.)	N.A.	
		Pressure relief location (lbs.)	.903 - 1.265 in Cap	
		Vacuum relief location (lbs.)	.181 - .506 in Cap	
		Vapor-liquid separator type	Stand Pipe	
	Carbu- retor	Vapor vented to (crankcase, cannister, other)	Cannister	
		Vapor Storage	Vapor vented to (crankcase, cannister, other)	Cannister
			Storage provision (crankcase, cannister, other)	Cannister
			Volume (cu. ft.) or capacity (grams)	.055 Cu. Ft.
		Control valve type	None	

STANDARD ENGINE PROVIDES EXHAUST EMISSION CONTROL

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MODEL

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ELECTRICAL — SUPPLY SYSTEM

		400 V-8 Engines	455 V-8 Engine
Battery	Make and Model	Delco R-58	Delco R-88-S
	Voltage Rtg. & Total Plates	12 - 66	12 - 78
	SAE Designation & Amp. Hr. Rtg.	2 SM - 61 Amp. Hr.	2 SM - 62 Amp. Hr.
	Location	Under Hood - L.H. Side	
	Terminal grounded	Negative	
Generator or Alternator	Make	Delco Remy	
	Model	1100927 (b)	
	Type and rating	37 Amp.	
	Output at engine idle (neutral)	5-10 AMPS	
	Ratio-Gen. to Cr/s rev.	2.74:1 except 3.02:1 with A/C	
Regulator	Make	Reg. Integral w/Alt. No External Reg. Used	
	Model	--	
	Type	--	
	Cutout relay	Closing voltage generator rpm	--
		Reverse current to open	--
	Regu- lated	Voltage	--
		Current	--
	Voltage test conditions	Temperature	--
		Load	--
		Other	--

ELECTRICAL — STARTING SYSTEM

Starting Motor	Make	Delco Remy	
	Model	1108446	
	Rotation (drive end view)	Clockwise	
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 starter, release key as soon as engine starts. *Use neutral or park with automatic transmission (No clutch).	
	Engagement type	Sliding Gear - Overrunning Clutch	
Motor Drive	Pinion meshes (front, rear)		Front
	Number of teeth	Pinion	9
		Manual	166
	Flywheel	Auto.	166
		Manual	.40
	Flywheel tooth face width		Auto. .40

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

(b) Diode Rectified, 3-Phase Alternating Current

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (a) _____

MODEL _____ GRAND PRIX

ELECTRICAL - IGNITION SYSTEM - DISTRIBUTOR

400 V-8 4-Bbl.

455 V-8 4-Bbl.

Breaker gap (in.)	.016	
Cam angle (deg.)	28 - 32	
Breaker arm tension	28 - 32	
Distributor	Manual	1112070
	Automatic	1112070
Timing	Manual	9° BTDC at Idle
	Automatic	9° BTDC at Idle

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. in. of Mercury	
	Start	Intermediate	Max.	Start	Max.
1112070	1150	6° @ 1650	22° @ 4600	6 - 8	20
1112072	1150	6° @ 1650	22° @ 4600	8 - 10	20

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MODEL

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ELECTRICAL - IGNITION SYSTEM

400 V-8

455 V-8

Type	Conventional - Std., Opt., N.A.		Standard
	Transistorized - Std., Opt., N.A.		N.A.
	Other (specify)		Optional
Coil	Make		Delco Remy
	Model		1115424
	Amps	Engine stopped	3.4
		Engine idling	2.1
Spark Plug	Make		AC
	Model		R46-S
	Thread (mm)		14 mm
	Tightening torque (lb. ft.)		15-25
	Gap		.033 - .038
Cable	Conductor type		Distributed Resistance
	Insulation type		Neoprene
	Spark plug protector		Hypalon Boot

ELECTRICAL - SUPPRESSION

Locations & Type	Internal distributor point shielding, wide gap distributor rotor resistor spark plugs (5000 OHMS), distributed resistance secondary cables, hood ground clip and 0.3 MFD ignition coil by-pass capacitor.
------------------	---

ELECTRICAL - INSTRUMENTS AND EQUIPMENT

Speed-ometer	Type	Mechanical
	Trip odometer (std. opt., N.A.)	No
Charge indicator - type		Telltale Lamp
Temperature indicator - type		Telltale Lamp
Oil pressure indicator - type		Telltale Lamp
Fuel indicator - type		Electric Gage
Wind-shield wiper	Type - Standard	2-Sp. Electric, Concealed Park, LH Arm Articulated
	Type - Optional	None
Wind-shield washer	Type - Standard	Electric--Pump Is Integral With Wiper Motor
	Type - Optional	None
Horn	Type	Solenoid
	Number used	2 Standard
	Amp draw (each)	4.3 - 5.9 @ 12.5V
Other	Optional Instrument Cluster Has Temperature and Oil Pressure Telltales Replaced With Gages	

(a) Pulse wiper feature is actuated by depressing the wash button to the detent. Wiper will continue to operate until the button is released.

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MODEL

GRAND PRIX

DRIVE UNITS - CLUTCH (Manual Transmission) 400 cu. in. V8 Engine

Make & type		Own - Dry
Type pressure plate springs		Disc Spring
Total spring load (lb.)		2350
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

DRIVE UNITS - TRANSMISSIONS

Manual 3-speed (std., opt. N.A.)	Standard
Manual 4-speed (std., opt. N.A.)	Optional
Automatic (std., opt. N.A.)	Optional

DRIVE UNITS - MANUAL TRANS.

Number of forward speeds		3-Speed	4-Speed
Transmission ratios	In first	2.42:1	2.52:1
	In second	1.58:1	1.88:1
	In third	1.00:1	1.46:1
	In fourth	--	1.00:1
	In reverse	2.41:1	2.59:1
Synchronous meshing, specify gears		All Forward	
Shift lever location		Floor	
Lubricant	Capacity (pt.)	2.8	2.5
	Type recommended	Type A - Extreme Pressure	
	SAE viscosity number	80 or 90	
	SAE viscosity number	80 or 90	
	Extreme cold	80 or 90	

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DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name	Turbo Hydra-Matic					
Type describe	Torque Converter					
Selector location	Floor Console					
List gear ratios Selector Pattern and indicate which are used in each selector position	P Park	R 2.08	N Neutral	D 2.48 1.48 1.00	S 2.48 1.48	L 2.48
Max. upshift speed—drive range	82					
Max. kickdown speed—drive range	76					
Torque converter	Number of elements	Three				
	Max. ratio at stall	2.30:1				
	Type of cooling (air, liquid)	Liquid				
	Nominal diameter	12.5				
Lubricant	Capacity—refill (pt.)	7.5				
	Type recommended	GM Dexron Automatic Transmission Fluid				
Special transmission features	—					

DRIVE UNITS – PROPELLER SHAFT

Number used	One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Straight Tube	
Outer diam. x length* x wall thickness	Manual 3-speed trans.	3.00 x 56.0 x .065
	Manual 4-speed trans.	3.00 x 55.34 x .065
	Overdrive transmission	Not Offered
	Automatic transmission	3.00 x 56.00 x .065

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

(Continued)

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MODEL

GRAND PRIX

DRIVE UNITS – PROPELLER SHAFT (cont.)

Inter- mediate bearing	Type (plain, anti-friction)		Not Used
	Lubrication (fitting, prepack)		Not Used
Slip Yoke	Type		Splined
	Number of teeth		27 - 3-Speed Man. Trans. 32 - Turbo Hydra-Matic & 4-Speed Man. Trans.
	Spline O.D.		1.175 - 27 Tooth; 1.375 - 32 Tooth
Universal joints	Make and Mfg. No.		Saginaw - Size 44 (Regular)
	Number used		Two
	Type (ball and trunnion, cross)		Cross
	Rear attach. (u-bolt, clamp, etc.)		U-Bolt
	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 – AXLE

Type (front, rear)		Rear
Description		Semi-floating Hypoid
Limited Slip differential, type		Spring Loaded Clutch (Optional)
Drive Pinion Offset		1.50
No. of differential pinions		2
Pinion adjustment (shim, other)		Shim
Pinion bearing adj. (shim, other)		Collapsible Spacer
Wheel bearing type		Roller
Lubricant	Capacity (pt.)	3 With 8.125 Dia. Gear - 5 With 8.875 Dia. Gear
	Type recommended	MIL-L-2105B (a)
	SAE viscosity number	Summer
		80 or 90
		Winter
		80 or 90
		Extreme cold
		80 or 90

AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		3.08:1	3.23:1	3.07:1
No. of teeth	Pinion	13	13	14
	Ring gear	40	42	43
Ring Gear O.D.		8.125	8.125	8.875

(a) Special lubricant required with limited slip differential.

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DRIVE UNITS - WHEELS

Type & material	Disc - Steel	
Rim (size & flange type)	Std.	14 x 7 JJ
	Opt.	
Attachment	Type (bolt or stud)	Bolt
	Circle diameter	4.75
	Number and size	5, 7/16-20

MODEL

DRIVE UNITS - TIRES

Standard	Size, ply rating, & ply		G78-14 (a)
	Type (bias, radial, etc.)		Bias Belted
	Full rated Inflation Press.	Front	24
		Rear	28
	Rev./Mile at 50 MPH		775
Optional	Size, ply rating, & ply		G78-14 Load Range D, 6 Ply Tread-4 Ply Body (b) G78-14 (c)

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 separate from service brakes	Type (internal or external)	Not Separate
	Drum diameter	Not Separate
	Lining size (length x width x thickness)	Not Separate

(a) Load Range B, 4 Ply Tread - 2 Ply Body

(b) With Trailer Provision Option only

(c) Space Saver Spare, Load Range B, 3 Ply Tread - 2 Ply Body

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BRAKES—SERVICE

Type (drum) or (disc & no. of pistons)		Disc Front - Single Piston, Drum Rear		
Self adjusting (std., opt., N.A.)		Standard		
Special Valving	Type (proportion, delay, metering, other)	Hold-Off Valve - Proportioning Valve		
Power brake make & type (remote, int., etc.)	Std. Opt.	Delco Moraine, Integral Type - Vacuum Suspended		
Effective area (sq. in.) *		103.6		
Gross lining area (sq. in.) **		110.6		
Swept area (sq. in.) ***		350.9		
Front to Rear Effectiveness Relationship		62.6		
Drum	Diameter (nominal)	Front	--	
		Rear	9.5	
	Type and material	Finned Composite - Cast Alloy Iron		
Rotor	Outer working diameter		10.94	
	Inner working diameter		6.88	
	Working width		1.00	
	Material & type (vented/solid)		Cast Alloy Iron - Vented	
Wheel cylinder bore	Front	2.9375		
	Rear	.875		
Master Cylinder	Bore	1.125		
	Stroke	1.425		
Pedal arc ratio		3.36:1		
Line pressure at 100 lb. pedal load		800		
Shoe Clearance	Front	Zero		
	Rear	.030 diametral clearance		
Anti-skid device type (std., opt., N.A.)		Not Available		
Brake lining	Bonded or riveted		Riveted	
	Front Wheel	Material	Molded Asbestos; Delco Moraine 5470	
		Size (length x width x thickness)	Prim. or out-board	5.40 x 1.93 x .41
				--
			Second, or in-board	5.40 x 1.93 x .44
				--
		Segments per shoe	One	
	Rear Wheel	Material	Molded Asbestos; Inlite 4026 Prim; Inlite 4028 Sec.	
		Size (length x width x thickness)	Prim. or out-board	7.6 x 2.0 x .196
				--
Second, or in-board			9.85 x 2.0 x .265	
			--	
Segments per shoe		One		

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

*** Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

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MODEL

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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--six positions	
	(std., opt., NA)	Optional	
Wheel diameter	Manual	14.75 x 15.25	
	Power	14.75 x 15.25	
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	42.4
		Curb to curb (l. & r.)	39.3
	Inside rear	Wall to wall (l. & r.)	21.7
		Curb to curb (l. & r.)	22.3
Manual	Gear	Type	Not Available
		Make	-- --
		Ratio	-- --
		Overall	-- --
	No. wheel turns (stop to stop)	-- --	
Power	Type (coaxial, linkage, etc.)		Coaxial
	Make		Saginaw Steering Gear
	Gear	Type	Recirculating Ball Bearing
		Ratio	16.0:1 - 12.4:1 (Variable Ratio)
		Overall	17.1:1 - 13.6:1 (Variable Ratio)
	Pump driven by		Belt From Crankshaft
No. wheel turns (stop to stop)		2.9	
Linkage	Type		Link Parallelogram
	Location (front or rear of wheels, other)		Front of Wheels
	Drag link (trans. or longit.)		Trans.Strg.Rod Connects Tie Rods,Pitman & Idler Arms
	Tie rods (one or two)		TWO
Steering Axis	Inclination of camber (deg.)		9° 0' @ 0° Camber
	Bearings (type)	Upper	Ball Joint
		Lower	Ball Joint
		Thrust	Spring Load Taken By Low Ball Joint
Whl. Align. (range at curb wt. & 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" 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

GRAND PRIX

SUSPENSION – GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling	Opt. Superlift Shock Absorbers With Auto. Control
Provision for brake dip control	Compound Anti-Dive Control and Anti-Rise Rear
Provision for acc. squat control	Suspension 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 11.30 x 3.6 280 Standard - 310 Optional 82 Standard - 91 Optional
Stabilizer	Type (link, linkless, frameless) Material & bar diameter
	Link SAE 9260, 1.00 Standard - 1.032 Optional

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
	Coil SAE 9260 7.76 x 5.50 144 Standard - 160 Optional 125 Standard - 139 Optional None
	If leaf No. of leaves Shackle (comp. or tens.)
	None None None
Stabilizer	Type (link, linkless, frameless) Material
	Not Used None
Track bar type	Not Used

FRAME

Perimeter Type With Swept Hips - Boxed

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MODEL GRAND PRIX

CONVENIENCE EQUIPMENT

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

Power windows	Side windows	Optional
	Vent windows	No Vent Windows
	Backlight or tailgate	Not Offered
Power seats (specify type as well as availability)		Power Tilt Seat (fore and aft plus elevation at rear edge) on LH Bucket Seat - Optional
Reclining front seat back (R-L or both)		Not Offered
Front seat head restrainer (R-L or both)		Standard on Both
Radios (specify type as well as availability)		Optional: AM, AM-FM, AM-FM Stereo - All Pushbutton Type
Rear seat speaker		Optional
Power antenna		Not Offered - Windshield Antenna Standard
Clock		Standard
Air conditioner (specify type and availability)		Option A: Reheat Cycle With Manual Control Option B: Reheat Cycle With Automatic Temp. Control
Speed warning device		Safeguard Speedometer - Optional
Speed control device		Optional on Cars With Turbo Hydra-Matic Transmission
Ignition lock lamp		Not Offered
Dome lamp		Standard (a)
Glove compartment lamp		Std. in Std. Console or Opt. I.P. Compartment
Luggage compartment lamp		Optional
Underhood lamp & Utility Lamp		Optional
Courtesy lamp		Standard (b)
Map lamp		Not Offered
Auto. trans. quad. lamp		Standard
Cornering light lamp		Optional
Auxiliary Gage Unit Option		Gages Replace Telltale Lamps for Temperature and Oil Pressure
Low Fuel Warning Lamp		Optional - Included with Safeguard Speedometer
Tachometer		Optional - Hood Mounted or in Rally Gage Cluster
Power Operated Door Locks		Optional
Lighter and Ash Tray Light		Standard
Power Trunk Lid Release		Optional
Electrically Heated Backlight		Optional

LAMP HEIGHT AND SPACING

Height above ground to center of bulb or marker	Headlamp	Highest *	28.7
		Lowest	28.7
	Tail	Highest	22.5
		Lowest	22.5
	Sidemarkers	Front	27.1
		Rear	28.8
Distance from C/L of car to center of bulb	Headlamp	Inside	--
		Outside *	21.78
	Tail	Inside	12.66
		Outside	27.14
	Directional	Front	33.1
		Rear	Same as Tail Lamp

* If single headlamps are used enter here.

(a) Dome and reading lamp optional.

(b) Door mounted courtesy lamps optional.

(c) 8-Track Stereo tape player avail. in combination with any radio

(d) Cassette tape player avail. in combination with any radio

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(e) Cassette tape player & 8-track Stereo tape player not avail. with ea. other

GRAND PRIX

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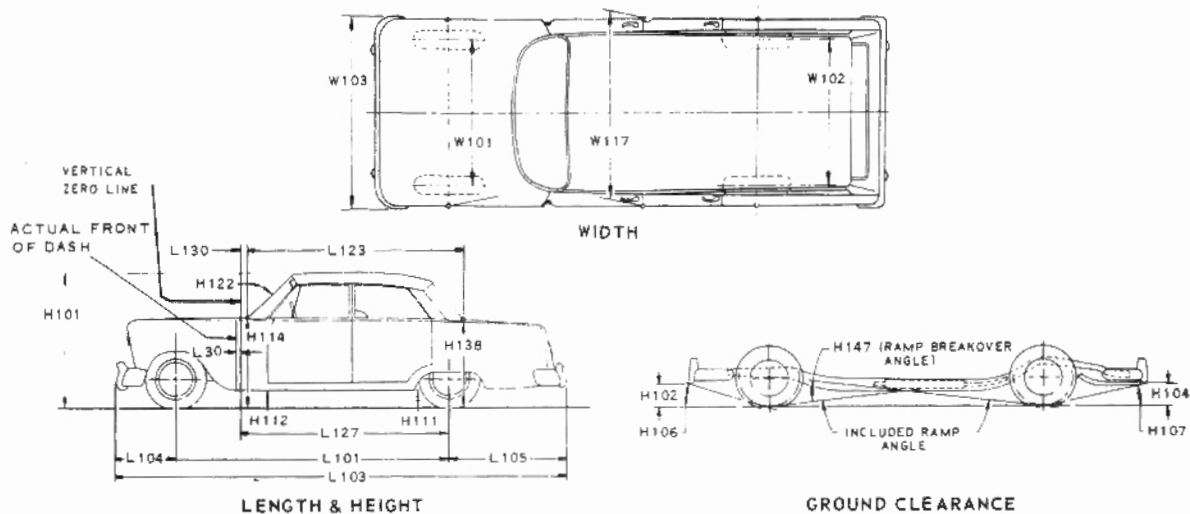
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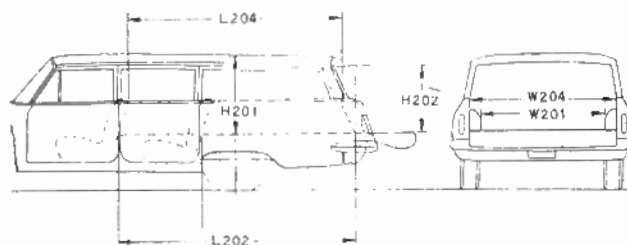
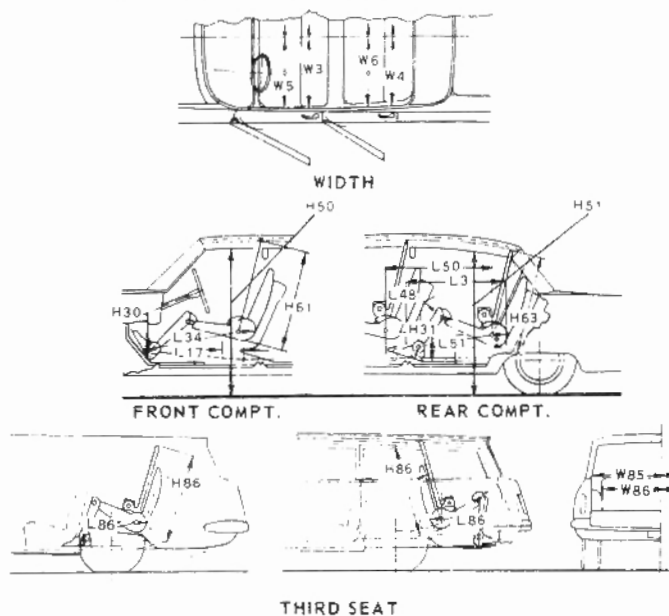
CAR AND BODY DIMENSIONS

KEY SHEET

EXTERIOR CAR AND BODY DIMENSIONS



INTERIOR CAR AND BODY DIMENSIONS



CAR AND BODY DIMENSIONS

KEY SHEET

DIMENSION DEFINITIONS

EXTERIOR WIDTH DIMENSIONS

- W101 WHEEL TREAD - FRONT. Measured at centerline of tires, with nominal camber, at ground.
 W102 WHEEL TREAD - REAR. Measured at centerline of tires at ground.
 W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.
 W117 MAXIMUM BODY WIDTH AT ± 2 PILLAR. Measured across body at ± 2 pillar, excluding hardware and applied moldings.

EXTERIOR LENGTH DIMENSIONS

- L 30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual front of dash is to the rear of Body Zero Line, it is identified by a minus (-) sign.
 L101 WHEELBASE.
 L103 OVERALL LENGTH. Include bumper guards if standard equipment.
 L104 OVERHANG - FRONT. Measured from C L of front wheels to front of car, including bumper guards if standard equipment.
 L105 OVERHANG - REAR. Measured from C L of rear wheels to rear of car, including bumper guards if standard equipment.
 L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.
 L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
 L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

EXTERIOR HEIGHT DIMENSIONS

- H101 OVERALL HEIGHT - DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.
 H114 COWL POINT TO GROUND. Measured at vehicle centerline.
 H138 DECK POINT TO GROUND. Measured at vehicle centerline.
 H112 ROCKER PANEL TO GROUND - FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.
 H111 ROCKER PANEL TO GROUND - REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.
 H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.

GROUND CLEARANCE DIMENSIONS

- H102 BUMPER TO GROUND - FRONT. Minimum dimension, includes bumper guards.
 H104 BUMPER TO GROUND - REAR. Minimum dimension, includes bumper guards.
 H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
 H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
 H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference, measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.
 H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

FRONT COMPARTMENT DIMENSIONS

- H 61 EFFECTIVE HEAD ROOM - FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line B° to rear of vertical.
 L 34 MAXIMUM EFFECTIVE LEG ROOM - ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 67° and the shoe touching the pedal.
 H 30 H POINT TO HEEL POINT - FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
 L 17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.

FRONT COMPARTMENT DIMENSIONS (Cont.)

- W 3 SHOULDER ROOM - FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.
 W 5 HIP ROOM - FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.
 H 50 UPPER BODY OPENING TO GROUND - FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.
 REAR COMPARTMENT DIMENSIONS
 L 50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
 H 63 EFFECTIVE HEAD ROOM - REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line B° to rear of vertical.
 L 51 MINIMUM EFFECTIVE LEG ROOM - REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.
 H 31 H POINT TO HEEL POINT - REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
 L 48 MINIMUM KNEE ROOM - REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
 L 3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
 W 4 SHOULDER ROOM - REAR. The minimum lateral dimension between the door garnish molding or nearest interference, measured at H Point station.
 W 6 HIP ROOM - REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.
 H 51 UPPER BODY OPENING TO GROUND - REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

LUGGAGE COMPARTMENT DIMENSIONS

- V 1 LUGGAGE CAPACITY - USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.
 H195 LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

STATION WAGON - THIRD SEAT DIMENSIONS

- W 85 SHOULDER ROOM - THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference, measured at H Point station.
 W 86 HIP ROOM - THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.
 L 86 EFFECTIVE LEG ROOM - THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
 H 86 EFFECTIVE HEAD ROOM - THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line B° to rear of vertical.

STATION WAGON - CARGO SPACE DIMENSIONS

- L202 CARGO LENGTH AT FLOOR - FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.
 L204 CARGO LENGTH AT BELT - FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.
 W201 CARGO WIDTH - WHEELHOUSE. The minimum horizontal dimension, measured between wheelhouseings at floor level.
 W204 OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.
 H201 MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.
 H202 REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail-and liftgates fully open.
 V 2 CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

W4xL204xH201

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Form No. 270

AMA Specifications Form—Passenger Car

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