AMA Specifications—Passenger Car

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MANUFACTURER	Pontiac Motor Division General Motors Corporation	CAR NAME	Tempest, Tempest Custom, LeMans Tempest Safari, and GTO
MAILING ADDRESS	Pontiac, Michigan 48053	MODEL YEAR	1967
		ISSUED:	8-26-66
		REVISED (a)	

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

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BODY—TYPES AND STYLE NAMES—

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

BODY STYLE NUMBER

Body Type	Number of Passengers	Tempest	Tempest Custom	LeMans	Tempest Safari	GTO
4 Door Sedan	6	23369	23569			
Sports Coupe	6	23307	23507	23707*		24207*
4 Door Hardtop	6		23539	23739		
Hardtop Coupe	6		23517	23717*		24217*
Convertible	6		23567	23767*		24267*
Station Wagon, 4 Dr.	2 Seat	23335	23535		23935	

*5 Passenger Capacity - Bucket Front Seats Standard

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GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL		Additional Information Page No.:	TEMPEST 23369	TEMPEST CUSTOM 23569	LEMANS 23739	TEMPEST SAFARI 23935	GTO 24207
Wheelbase (L101)			115				
Track	Front (W101)		58				
	Rear (W102)		59				
Maximum Overall Dimensions	Length (L103)		206.6 (a)			203.4	206.6
	Width (W103)		74.4		74.7	74.4	74.7
	Height (H101)		55.0			55.4	53.7
Transmission (Specify trade name - opt., not available)	Manual - 3 speed	4 & 15	Standard				
	Manual - 4 speed	4 & 15	Optional (b)				
	Overdrive	15	None				
	Automatic	4 & 16	Automatic - Optional				Turbo Hydra-Matic Optiona
Axle ratio	Manual - 3 speed	4 & 17	3.08:1			3.36:1	3.55:1
	Manual - 4 speed	4 & 17	3.55:1 (c)				
	Overdrive	17	None				
	Automatic	4 & 17	2.56:1	2.78:1			3.36:1
Tire size		18	7.75 x 14				F70 x 14
Engine	Type, no. cyl., valve arr.	3	Line, 6, Overhead Cam				90° V, 8 In-Head
	Fuel system (Carb., other)	10	Carburetor				
	Bore and stroke	3	3.8750 x 3.245 3.8774 x 3.255				4.1200 x 3.74 4.1224 x 3.75
	Piston displ., cu. in.	3	230				400
	Std. compression ratio	3	9.0:1				10.75:1
	Max. bhp at engine rpm	3	165 @ 4700				335 @ 5000
	Max. torque at rpm	3	216 @ 2600				441 @ 3400

(a) Except station wagons which are 203.4

(b) Not available with 6 cyl. 1 bbl. carburetor engine.

(c) With 6 cyl. 4 bbl. carburetor engine option, optional V-8 engines and GTO.

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GENERAL SPECIFICATIONS—DIMENSIONS

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

MODEL	SAE Ref. No.	TEMPEST 23369	TEMPEST CUSTOM 23569	LEMANS 23739	TEMPEST SAFARI 23935	GTO 24207
FRONT COMPARTMENT						
Shoulder room	W3	58.8	58.8	58.8	58.8	58.8
Hip room	W5	59.9	59.6	59.9	59.7	59.8
Max. eff. leg room - accelerator	L34	40.2	40.6	40.6	40.6	41.1
Effective head room	H61	38.1	38.1	38.1	37.8	37.5
H Point to Heel point	H30	8.5	8.1	8.1	8.1	7.8
REAR COMPARTMENT						
Shoulder room	W4	58.6	58.7	58.6	58.6	57.0
Hip room	W6	59.9	59.6	59.9	59.9	58.6
Minimum effective leg room	L51	35.7	35.7	35.7	35.7	32.3
Effective head room	H63	37.3	37.2	37.1	38.3	36.1
LUGGAGE COMPARTMENT						
Usable luggage capacity	V1	21.6	21.6	21.6	--	21.1
Liftover height	H195	29.5	29.5	29.8	--	30.1
Position of spare tire storage		(a)	(a)	(a)	(b)	(a)
Method of holding lid open		(c)	(c)	(c)	--	(c)
STATION WAGON—THIRD SEAT						
Hip room	W86	3 Seat Model Not Available				
Effective leg room	L86	--				
Effective head room	H86	--				
Seat facing direction						

STATION WAGON—CARGO SPACE

MODEL	SAE Ref. No.	TEMPEST 23335	TEMPEST CUSTOM 23535	TEMPEST SAFARI 23935
Minimum distance between wheel houses at floor level	W201	44.4	44.2	
Rear end opening width at belt	W204	52.5		
Floor length from back of front seat at floor level to inside of closed tail gate	L202	92.0	91.9	
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	80.9		
Maximum height - floor covering to headlining at centerline of rear axle	H201	31.1	30.8	
Maximum height of rear opening - tail and lift gates open	H202	28.4	28.1	
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	85.3	84.5	

(a) Right side - flat on floor
(b) Right side - upright in enclosed well
(c) Torsion bar counterbalance

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MODEL	Tempest-Tempest Custom-LeMans-Tempest Safari		GTO
	Standard Engine	Optional Engine	Standard Engin

ENGINE—GENERAL

Type, no. cyls., valve arr.		Line, 6, In-Head	90°V, 8, In-Head	
Bore and stroke (nominal)		3.8750 x 3.245 3.8774 x 3.255	3.7187 x 3.746 3.7211 x 3.754	4.1200 x 3.74 4.1224 x 3.75
Piston displacement, cu. in.		230	326	400
Bore spacing (C/L to C/L)		4.4	4.62	
No. system (front to rear)	L. Bank	1-2-3-4-5-6 (In-Line)	1-3-5-7	
	R. Bank	--	2-4-6-8	
Firing order		1-5-3-6-2-4	1-8-4-3-6-5-7-2	
Compres. ratio (nominal)		9.0:1	9.2:1	10.75:1
Cylinder Head Material		Alloy Cast Iron		
Cylinder Block Material		Alloy Cast Iron		
Cylinder Sleeve-Wet, dry, none		None		
Number of mounting points	Front	2		
	Rear	1		
Engine installation angle		4°19'	4°42'	
Taxable horsepower $\frac{Dia^2 \times No.Cyl.}{2.5}$		36.0	44.3	54.3
Publishing max. bhp* @ eng. RPM		165 @ 4700	250 @ 4600	335 @ 5000
Publishing max. torque* (lb. ft. @ RPM)		216 @ 2600	333 @ 2800	441 @ 3400
Recommended fuel regular - premium		Regular (b)		Premium
Idle speed(spec. neutral or drive)	Manual		600 (In Neutral)**	700 (In Neutr
	Automatic		500 (In Drive)**	600 (In Drive

ENGINE—PISTONS

Material			Aluminum Alloy		
Description and finish			Cam Ground Slipper Type - Tin Plated		
Weight (piston only) oz.			20.515-20.702	17.935-18.122	22.100-22.30
Clearance (limits)	Top land		.0250-.0303	.0248-.0301	.0177-.0230
	Skirt	Top	.0022-.0028 (a)	.0022-.0028 (a)	.0022-.0028
		Bottom	.0017-.0033	.0017-.0033	.0017-.0033
Ring groove depth	No. 1 ring		3.427-3.437	3.260-3.270	3.667-3.677
	No. 2 ring		3.427-3.437	3.260-3.270	3.667-3.677
	No. 3 ring		3.446-3.456	3.295-3.305	3.670-3.680
	No. 4 ring		None		

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

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

(b) Premium fuel required on optional engines having a compression ratio of 10.5:1 or 10.75:1

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

(c) 650 RPM with HO engine option.

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POWER TEAMS
(Indicate whether standard or optional)

Model Availability	ENGINE					TRANSMISSION	AXLE RATIO (Std. first)
Tempest 233 Tempest Custom 235 LeMans 237 Tempest Safari 239 GTO 242	Displ. cu. in. & no. cyl.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		
STANDARD 6 & 8 CYLINDER ENGINES							
233, 235 & 237	230, 6	1 Bbl.	9.0:1	165 @ 4700	216 @ 2600	Manual	3.08:1 (b) (d) 3.23:1
239	230, 6	1 Bbl.	9.0:1				
242	400, V-8	4 Bbl.	10.75:1	335 @ 5000	441 @ 3400	Manual (a)	3.55:1 (d)
OPTIONAL 6 & 8 CYLINDER ENGINES							
Standard-Automatic							
233	230, 6	1 Bbl.	9.0:1	165 @ 4700	216 @ 2600	Automatic	2.56:1, 2.93:1 (c) (e)
235, 237 & 239	230, 6	1 Bbl.	9.0:1			Automatic	2.78:1, 2.56:1, 3.08:1 (e)
242	400, V-8	4 Bbl.	10.75:1	335 @ 5000	441 @ 3400	Turbo Hydra-Matic	3.36:1 (f)
2 Barrel Carburetor Options							
233, 235, 237 & 239	326, V-8	2 Bbl.	9.2:1	250 @ 4600	333 @ 2800	Manual (a) Automatic	3.23:1, 3.08:1 (d) 2.56:1, 2.93:1 (h)
242	400, V-8	2 Bbl.	8.6:1	255 @ 4400	397 @ 2400	Turbo Hydra-Matic	2.93:1, 2.56:1, 3.23:1 (h)
4 Barrel Carburetor Options							
233, 235, 237 & 239	230, 6	4 Bbl.	10.5:1	215 @ 5200	240 @ 3800	Manual (a)	3.23:1 (d) (i)
233, 235, 237 & 239	230, 6	4 Bbl.	10.5:1			Automatic	3.23:1, 3.55:1 (d) (g)
326 HO Engine Option							
233, 235 & 237	326, V-8	4 Bbl.	10.5:1	285 @ 5000	359 @ 3200	Manual (a)	3.36:1 (d)
233, 235 & 237	326, V-8	4 Bbl.	10.5:1			Automatic	3.23:1 (d)
GTO HO Engine Option							
242	400, V-8	4 Bbl.	10.75:1	360 @ 5100	438 @ 3600	Manual (a)	3.55:1 (d)
242	400, V-8	4 Bbl.	10.75:1			Turbo Hydra-Matic	3.55:1 (d)
GTO Ram Air Engine Option							
242	400, V-8	4 Bbl.	10.75:1	360 @ 5400	438 @ 3800	Manual (4 Speed only)	4.33:1
						Turbo Hydra-Matic	4.33:1

(a) 3-speed standard - 4-speed optional
(b) Except station wagons which use 3.23:1 ratio (g)
(c) Except station wagons which are same as 235 & 237 series
(d) 3.23:1 ratio with air conditioning
(e) 3.08:1 ratio with air conditioning
(f) 2.93:1 ratio with air conditioning
(g) Except 23369 where 2.56:1 is standard ratio
(h) 2.78:1 ratio with air conditioning
(i) 3.55:1 ratio std. with Sprint option (d)

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MODEL

	Tempest-Tempest Custom-LeMans-Tempest Safari		GTO
	Standard Engine	Optional Engine	Standard En

ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression	
	No. 2, oil or comp.	Compression	
	No. 3, oil or comp.	Oil	
	No. 4, oil or comp.	None	
Compression	Description - material, coating, etc.	Cast Iron--Reverse Twist--Taper Faced No. 1 Channel Moly Filled; No. 2 Lubrite Finish (a)	
	Width	.0778	No. 1 .0778, No. 2 .0775
	Gap	.015	.019
Oil	Description - material, coating, etc.	Multi-piece (2 rails and 1 expander); Rails - Steel with chrome plated O. D. Expander - Stainless Steel	
	Width	.186	
	Gap	.035	
Expanders		In oil ring assembly	

ENGINE—PISTON PINS

Material			SAE 5015 Steel	SAE 1016
Length			3.00	3.25
Diameter			.9272	.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	.0005-.0007
	In rod		Press Fit	
Direction & amount offset in piston			To Right - .063	

ENGINE—CONNECTING RODS

Material			SAE 1037, 1038 or 1141	Arma Steel
Weight (oz.)			20.5	31.7
Length (center to center)			5.70	6.625
Bearing	Material & Type		Moraine 100-A (b)(c)(e)	Moraine 400-A (b)
	Overall length		.837	.88
	Clearance (limits)		.0007-.0027 (d)	.0005-.0025
	End play		.0085-.0135	.006-.011 (Total for two)

(a) GTO uses channel moly filled in both No. 1 & No. 2 locations; 326 cu. in. Tempest optional engines use tin plated ring in No. 2 location.
(b) Steel backed removable precision.
(c) M-400-A on opt. 6 cyl. 4 bbl. engine.
(d) .0007-.0028 on opt. 6 cyl. 4 bbl. engine.
(e) M-400-A on opt. 326 HO engine with manual transmission.

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MODEL

	Tempest-Tempest Custom-LeMans-Tempest Safari		GTO
	Standard Engine	Optional Engine	Standard Engir

ENGINE—CRANKSHAFT

Material			Nodular Iron	
Vibration damper type			Rubber Floated Weight	
End thrust taken by bearing (No.)			7	4
Crankshaft end play			.002-.006	.0035-.0085
Main bearing	Material & type		Durex 100-A* Steel Backed, Removable, Precision (b)	
	Clearance		.0003-.0019	.0002-.0017
	Journal dia. and bearing overall length	No. 1	2.30 x .80	3.00 x .94
		No. 2	2.30 x .80	3.00 x .94
		No. 3	2.30 x .80	3.00 x .94
		No. 4	2.30 x .80	3.00 x 1.13
		No. 5	2.30 x .80	3.00 x 1.59
		No. 6	2.30 x .80	None
		No. 7	2.30 x 1.01	None
	Dir. & amt. cyl. offset		None	
Crankpin journal diameter			2.00	2.25

ENGINE—CAMSHAFT

Location			Overhead	Between Cylinder Banks
Material			Hardened Alloy Cast Iron	
Bearings	Material		Aluminum Alloy	High Lead Babbitt on Steel
	Number		7	5
Type of Drive	Gear or chain		Belt (a)	Chain
	Crankshaft gear or sprocket material		Hardened Cast Iron	Carburized and Hardened Steel
	Camshaft gear or sprocket material		Hardened Cast Iron	Aluminum Alloy with Nylon Covered Teeth
	Timing chain	No. of links	98 Teeth	60
		Width	1.031-.954	.88 (Morse) - 1.00 (Link Belt)
		Pitch	.500	.375

ENGINE—VALVE SYSTEM

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 marks on flywheel, damper, other		(See Page 13)	

(Continued)

* M-400 in lower half of No. 1, 2, 3 & 4 locations of GTO engines.

(a) Neoprene with fibre glass cord reinforcement.

(b) M-400 in all locations of optional 6 cyl. 4 bbl. engine.

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MODEL Tempest — Tempest Custom — LeMans — Tempest Safari

L-6 1 Bbl.	L-6 4 Bbl.	V-326 2 Bbl.	V-326 H.O.

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	7	14	22	
		Closes (°ABC)	41	50	67	
		Duration-deg.	228	244	269	
	Exhaust	Opens (°BBC)	41	52	72	
		Closes (°ATC)	7	12	25	
		Duration-deg.	228	244	277	
	Valve opening overlap		14°	26°	47°	
Intake	Material		SAE-1041 With Aluminum Treatment on Face			
	Overall length		4.902	4.994	4.9325	5.018
	Actual overall head dia.		1.923-1.917		1.923-1.917	
	Angle of seat & face		30° Seat - 29° Face		30° Seat - 29° Face	
	Seat insert material		Not Used		Not Used	
	Stem diameter		.34		.34	
	Stem to guide clearance		.0016-.0033		.0016-.0033	
	Lift (@ zero lash)		.400 ± .011	.438 ± .011	.375 ± .011	
	Outer spring press. and length	Valve closed (lb. @ in.)	92 / 102 @ 1.583	59 / 65 @ 1.583	59 / 65 @ 1.586	
		Valve open (lb. @ in.)	184 / 200 @ 1.183	133 / 143 @ 1.145	122 / 132 @ 1.211	
	Inner spring press. and length	Valve closed (lb. @ in.)	----------	28 / 34 @ 1.563	28 / 34 @ 1.566	
		Valve open (lb. @ in.)	----------	97 / 103 @ 1.125	87 / 93 @ 1.191	
Exhaust	Material		21-2N Steel With Alum. Treatment On Face & Chrome Plated S			
	Overall length		4.891	4.983	4.9215	5.007
	Actual overall head dia.		1.603-1.597		1.643-1.637	
	Angle of seat & face		45° Seat-44° Face		45° Seat-44° Face	
	Seat insert material		Not Used		Not Used	
	Stem diameter		.34		.34	
	Stem to guide clearance		.0021-.0038		.0021-.0038	
	Lift (@ zero lash)		.400 ± .011	.438 ± .011	.410 ± .011	
	Outer spring press. and length	Valve closed (lb. @ in.)	92 / 102 @ 1.583	59 / 65 @ 1.583	59 / 65 @ 1.586	
		Valve open (lb. @ in.)	184 / 200 @ 1.183	133 / 143 @ 1.145	128 / 138 @ 1.176	
	Inner spring press. and length	Valve closed (lb. @ in.)	----------	28 / 34 @ 1.563	28 / 34 @ 1.566	
		Valve open (lb. @ in.)	----------	97 / 103 @ 1.125	93 / 99 @ 1.156	

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	Belt - Not Lubricated	Metered Jet
	Cylinder walls	Metered Jet	

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MODEL GTO

			4 Bbl. Carb.		HO Engine Option	
			Man. Trans.	Auto. Trans.	Man. Trans.	Auto. Trans

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	23	30	31	
		Closes (°ABC)	70	63	77	
		Duration-deg.	273	273	288	
	Exhaust	Opens (°BBC)	78	77	90	
		Closes (°ATC)	31	25	32	
		Duration-deg.	289	282	302	
	Valve opening overlap		54°	55°	63°	
Intake	Material		SAE-1041 with Alum. Treatment on Face & Chrome Plated St			
	Overall length		5.0625			
	Actual overall head dia.		2.113 - 2.107			
	Angle of seat & face		30° Seat - 29° Face			
	Seat insert material		Not Used			
	Stem diameter		.34			
	Stem to guide clearance		.0016 - .0033			
	Lift (@ zero lash)		.410 ± .011		.414 ± .011	
	Outer spring press. and length	Valve closed (lb. @ in.)	59 / 65 @ 1.586		59 / 65 @ 1.586	
		Valve open (lb. @ in.)	128 / 138 @ 1.176		128 / 138 @ 1.172	
	Inner spring press. and length	Valve closed (lb. @ in.)	47.5 / 52.5 @ 1.566	28 / 34 @ 1.566	47.5 / 52.5 @ 1.566	28 / 34 @ 1.5
		Valve open (lb. @ in.)	111 / 121 @ 1.156	93 / 99 @ 1.156	111 / 121 @ 1.152	93 / 99 @ 1.1
Exhaust	Material		21-2N Steel with Alum. Treatment on Face and Chrome Plated Ster			
	Overall length		5.0515			
	Actual overall head dia.		1.773 - 1.767			
	Angle of seat & face		45° Seat - 44° Face			
	Seat insert material		Not Used			
	Stem diameter		.34			
	Stem to guide clearance		.0021 - .0038			
	Lift (@ zero lash)		.413 ± .011	.414 ± .011	.413 ± .011	
	Outer spring press. and length	Valve closed (lb. @ in.)	59 / 65 @ 1.586	59 / 65 @ 1.586	59 / 65 @ 1.586	
		Valve open (lb. @ in.)	128 / 138 @ 1.173	128 / 138 @ 1.172	128 / 138 @ 1.173	
	Inner spring press. and length	Valve closed (lb. @ in.)	47.5 / 52.5 @ 1.566	28 / 34 @ 1.566	47.5 / 52.5 @ 1.566	28 / 34 @ 1.
		Valve open (lb. @ in.)	111 / 121 @ 1.153	93 / 99 @ 1.152	111 / 121 @ 1.153	93 / 99 @ 1.

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Metered Jet
	Cylinder walls	Metered Jet

(Continued)

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MODEL GTO

ENGINE—VALVE SYSTEM (cont.)

			2 Bbl. Carb.	4 Bbl. Carb. "Ram Air"
Timing	Intake	Opens (°BTC)	22	38
		Closes (°ABC)	67	83
		Duration-deg.	269	301
	Exhaust	Opens (°BBC)	72	95
		Closes (°ATC)	25	38
		Duration-deg.	277	313
	Valve opening overlap		47°	76°
Intake	Material		SAE-1041 With Aluminum Treatment on Face (a)	
	Overall length		4.7325	5.0625
	Actual overall head dia.		1.923-1.917	2.113-2.107
	Angle of seat & face		30° Seat - 29° Face	
	Seat insert material		Not Used	
	Stem diameter		.34	
	Stem to guide clearance		.0016-.0033	
	Lift (@ zero lash)		.375 ± .011	.413 ± .011
	Outer spring press. and length	Valve closed (lb. @ in.)	59 65 @ 1.586	97 107 @ 1.586
		Valve open (lb. @ in.)	122 132 @ 1.211	231 247 @ 1.173
	Inner spring press. and length	Valve closed (lb. @ in.)	28 34 @ 1.566	----------
		Valve open (lb. @ in.)	87 93 @ 1.191	----------
Exhaust	Material		21-2N Steel With Aluminum Treatment On Face & Chrome Plated S	
	Overall length		4.7215	5.0515
	Actual overall head dia.		1.643-1.637	1.773-1.767
	Angle of seat & face		45° Seat - 44° Face	
	Seat insert material		Not Used	
	Stem diameter		.34	
	Stem to guide clearance		.0021-.0038	
	Lift (@ zero lash)		.410 ± .011	.413 ± .011
	Outer spring press. and length	Valve closed (lb. @ in.)	59 65 @ 1.586	97 107 @ 1.586
		Valve open (lb. @ in.)	128 138 @ 1.176	231 247 @ 1.173
	Inner spring press. and length	Valve closed (lb. @ in.)	28 34 @ 1.566	----------
		Valve open (lb. @ in.)	93 99 @ 1.156	----------

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Metered Jet
	Cylinder walls	Metered Jet

(Continued)

(a) Valve stem chrome plated on 4-bbl. carb. engine.

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MODEL GTO

ENGINE—VALVE SYSTEM (cont.)

			2 Bbl. Carb.	4 Bbl. Carb. "Ram Air"
Timing	Intake	Opens (°BTC)	22	38
		Closes (°ABC)	67	83
		Duration-deg.	269	301
	Exhaust	Opens (°BBC)	72	95
		Closes (°ATC)	25	38
		Duration-deg.	277	313
	Valve opening overlap		47°	76°
Intake	Material		SAE-1041 With Aluminum Treatment on Face (a)(b)	
	Overall length		4.7325	5.0625
	Actual overall head dia.		1.923-1.917	2.113-2.107
	Angle of seat & face		30° Seat - 29° Face	
	Seat insert material		Not Used	
	Stem diameter		.34	
	Stem to guide clearance		.0016-.0033	
	Lift (@ zero lash)		.375 ± .011	.413 ± .011
	Outer spring press. and length	Valve closed (lb. @ in.)	59 65 @ 1.586	135 @ 1.7123 145 / 71 @ 1.7123 81
		Valve open (lb. @ in.)	122 132 @ 1.211	287 @ 1.2983 303 / 182.5 @ 1.29 198.5
	Inner spring press. and length	Valve closed (lb. @ in.)	28 34 @ 1.566	---------- / 39.9 45.9 @ 1.642
		Valve open (lb. @ in.)	87 93 @ 1.191	---------- / 88.3 98.3 @ 1.228
Exhaust	Material		21-2N Steel With Aluminum Treatment On Face & Chrome Plated	
	Overall length		4.7215	5.0515
	Actual overall head dia.		1.643-1.637	1.773-1.767
	Angle of seat & face		45° Seat - 44° Face	
	Seat insert material		Not Used	
	Stem diameter		.34	
	Stem to guide clearance		.0021-.0038	
	Lift (@ zero lash)		.410 ± .011	.413 ± .011
	Outer spring press. and length	Valve closed (lb. @ in.)	59 65 @ 1.586	135 @ 1.7123 145 / 71 @ 1.7123 81
		Valve open (lb. @ in.)	128 138 @ 1.176	287 @ 1.2993 303 / 182.2 @ 1.2 198.2
	Inner spring press. and length	Valve closed (lb. @ in.)	28 34 @ 1.566	---------- / 39.9 45.9 @ 1.64
		Valve open (lb. @ in.)	93 99 @ 1.156	---------- / 88.1 98.1 @ 1.22

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Metered Jet
	Cylinder walls	Metered Jet

(Continued)

(a) Valve stem chrome plated on 4-bbl. carb. engine.
(b) Material spec. changed to GM 8440 and swirl polishing added under the head on the "Ram Air" Engine.
(c) Optional dual valve springs.

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MODEL	TEMPEST	TEMPEST CUSTOM	LEMANS	TEMPEST SAFARI

ENGINE—LUBRICATION SYSTEM (cont.)

	Standard Engine	Optional V-8 Engine
Oil pump type	Spur Gear	
Normal oil pressure (lb. @ engine rpm)	26 - 36 @ 2800	30-40 Above 2600 RPM
Oil pressure sending unit (elect. or mech.)	Electric	
Type oil intake (floating, stationary)	Stationary Screen	
Oil filter system (full flow, partial, other)	Full Flow	
Filter replacement (element, complete)	Complete	
Capacity of crankcase, less filter-refill (qt.)	5	6

Oil grade recommended (SAE viscosity and temperature range)	Anticipated Lowest Temp.	Single Viscosity SAE Number	Acceptabl Alternate
	Above Freezing (+32°F.)	20W	10W-30
	Below Freezing (0°F. to +32°F.)	10W	10W-30
	Below Zero	5W	5W-20

Engine Service Requirement (MM, MS, etc.)	MS

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Single (a)	
Muffler No. & type (reverse flow, straight thru, separate resonator)		One - Reverse Flow (a)	
Exhaust pipe dia. (O.D., wall thickness)	Branch	None (b)	2.00 x .076 (a)
	Main	2.00 x .060 (b)	2.25 x .076 (a)
Tail pipe diameter (O.D. & wall thickness)		2.00 x .048 Aluminized	

ENGINE— CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard		
	Optional		
Control Unit	Make and model	AC Type CV-735C	AC Type CV-679
	Location	Intake Manifold	Push Rod Cover
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold Vacuum	
	Control method (variable orifice, fixed orifice, other)	Variable Orifice	
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Intake Manifold	
	Air inlet (breather cap, carburetor air cleaner, other)	Breather Cap (c)	
	Flame arrestor (screen, check valve, other)	Check Valve (c)	

(a) Optional dual system for V-326 (Std. on 326 HO) uses 2 reverse flow mufflers and no cross-over pipe, 2.00 x .060 exhaust pipes and 2.25 x .048 aluminized tailpipes. Resonators included in all dual systems. Dual systems not availa on station wagons.

(b) 6 cylinder 4 bbl. option uses 2.00 branch, 2.25 main and tailpipe same as V-8 dual system.

(c) Closed CC Vent system (Calif.) takes air through a flame arrestor filter or screen in the carburetor air cleaner.

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MODEL GTO

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Spur Gear
Normal oil pressure (lb. @ engine rpm)	55 to 60 above 2600 RPM
Oil pressure sending unit (elect. or mech.)	Electric
Type oil intake (floating, stationary)	Stationary Screen
Oil filter system (full flow, partial, other)	Full Flow
Filter replacement (element, complete)	Complete
Capacity of crankcase, less filter-refill (qt.)	6

Oil grade recommended (SAE viscosity and temperature range)	Anticipated Lowest Temp.	Single Viscosity SAE Number	Acceptable Alternate
	Above Freezing (+32°F.)	20W	10W-30
	Below Freezing (0°F. to +32°F.)	10W	10W-30
	Below Zero	5W	5W-20

Engine Service Requirement (MM, MS, etc.)	MS

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)		2 Reverse Flow With Separate Resonators (a)
Exhaust pipe dia. (O.D., wall thickness)	Branch	Not Used
	Main	2.00 x .060
Tail pipe diameter (O.D. & wall thickness)		2.25 x .048 Aluminized

ENGINE— CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)		Standard	Induction System
		Optional	None
Control Unit	Make and model		AC Type CV 679
	Location		Push Rod Cover
	Energy source (manifold vacuum, carburetor air stream, other)		Manifold Vacuum
	Control method (variable orifice, fixed orifice, other)		Variable Orifice
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)		Intake Manifold
	Air inlet (breather cap, carburetor air cleaner, other)		Breather Cap (b)
	Flame arrestor (screen, check valve, other)		Check Valve

(a) Resonators not used on manual transmission cars.

(b) Closed crankcase vent system (Calif.) takes air through air filter element in carburetor air cleaner.

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ENGINE—EXHAUST EMISSION CONTROL

MODEL	TEMPEST	TEMPEST CUSTOM	LEMANS	TEMPEST SAFARI	GTO
	6 Cylinder Engines			V-8 Engines	
Type (Air injection, engine modifications, other)	Air Injection				
Air Injection Pump — Type	Vane				
Air Injection Pump — Displacement	19.3 cu. in.				
Air Injection Pump — Drive ratio	.95:1			1.20:1 (a)	
Air Injection Pump — Drive type	Belt				
Air Injection Pump — Relief valve (type)	Spring Loaded Disc				
Air Injection Pump — Filter (describe)	Carburetor Air Cleaner				
Air Injection System — Air distribution (head, manifold, etc.)	Air Manifold			Cylinder Heads	
Air Injection System — Point of entry	Exhaust Ports				
Air Injection System — Injection tube I D	.256			None - .25 Dia. Drilled Hole	
Air Injection System — Check valve type	Viton Disc				
Air Injection System — Backfire protection (type)	Vacuum Controlled Air Diverter Valve				
Carburetor — Make	Rochester			Rochester & Carter	
Carburetor — Model	Special				
Carburetor — Barrel size	No Change from Standard				
Carburetor — Idle speed — Drive	600 RPM with Automatic Transmission				
Carburetor — Idle speed — Neutral	700 RPM with Manual Transmission				
Distributor — Aux Adv Systems (type)	Deceleration Spark Advance Valve on V-8 with Manual Transmission Only				
Distributor — Make	Delco-Remy				
Distributor — Model	1110391 (b)	1110398 (c)	1111199 (d)	1111238 (e)	1111252 (f)
Distributor — Cent'fgal adv. in crank degrees @ eng. rpm — Start (rpm)	900	800	800	800	800
Distributor — Cent'fgal adv. in crank degrees @ eng. rpm — Intermed points deg @ rpm	6-10 @ 1000 21-25 @ 2100 26-30 @ 4800	7-11 @ 1500 18-22 @ 4300	23-27 @ 1900 32-36 @ 4600	19-32 @ 1950 28-32 @ 4800	21-25 @ 2000 26-30 @ 4600
Distributor — Cent'fgal adv. in crank degrees @ eng. rpm — Max deg. @ rpm.	26-30 @ 6000	18-22 @ 6000	32-36 @ 6000	28-32 @ 6000	26-30 @ 6000
Distributor — Vacuum adv. in crank degrees @ eng. rpm — Start (in Hg) intermed. points deg @ in. Hg Max. deg. @ in.	Vacuum advance is same as corresponding engine distributor used on car without exhaust emission control system except that double acting vacuum diaphragm provides 5° spark retard on 6 cyl. 1-bbl. carb. engine, and 10° retard on all others, with closed throttle. (g)				
Distributor — Vacuum Source	Spark Ports in Carburetor				
Timing - Crank degrees @ rpm	0° (TDC)*	5° BTC*	6° BTC*		
Cooling System (describe changes)	Non-air conditioned cars: No change except higher performance fan and fa shroud added with V-8 engine options. Air conditioned cars: V-8 engine option and all GTO models have fan drive ratio increased to 1.25:1.				
Exhaust System (describe changes)	Same as Standard				

(a) 1.44:1 with air conditioning.
(b) 230 cu. in. 1-bbl. manual and automatic transmission.
(c) 230 cu. in. 4-bbl. manual and automatic transmission.
(d) 326 cu. in. 2-bbl. manual and automatic transmission.
(e) 326 cu. in. 4-bbl. manual and automatic transmission.
(f) 400 cu. in. 4-bbl. manual transmission engines - automatic transmission same as standard.
(g) GTO 4-bbl. automatic transmission engine distributors same as standard.

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MODEL GTO

ENGINE—EXHAUST EMISSION CONTROL

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

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MODEL	TEMPEST	TEMPEST CUSTOM	LEMANS	TEMPEST SAFARI	GTO

ENGINE—FUEL SYSTEM

			6-Cylinder Engine	V-8 Engine
Induction type: Carburetor, fuel injection, supercharger.			Carburetor	
Fuel Tank	Refill capacity (gals.)		21.5	
	Filler location		Center Rear	
Fuel Pump	Type (elec. or mech.)		Mechanical	
	Locations		Right Front of Engine	Left front of Engine
	Pressure range		4.0-5.5	5.0-6.5
Vacuum booster (std., optional, none)			None	
Fuel Filter	Type		Plastic Fabric in Fuel Tank and Sintered Bronze in Carburetor Inlet	
	Locations			
Carburetor	Choke type		Automatic	
	Intake manifold heat control (exhaust or water)		Exhaust	
	Air cleaner type	Standard	Wetted Plastic Foam (d)	
		Optional	Two Stage-Wetted Plastic Foam Over Paper Element (c)	

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type*	Barrel Size	No. Bbls
			Make	Model**			
233, 235, 237, 239 Std.	230	Manual	Rochester	7027167	One	1.75	1
233, 235, 237, 239 Std.	230	Automatic	Rochester	7027168	One	1.75	1
233, 235, 237, 239 Opt.	230	Manual	Rochester	7027261	One	(a)	4
233, 235, 237, 239 Opt.	230	Automatic	Rochester	7027260	One	(a)	4
233, 235, 237, 239 Opt.	326	Manual	Rochester	7027071	One	1.69	2
233, 235, 237, 239 Opt.	326	Automatic	Rochester	7027062	One	1.69	2
233, 235, 237 Opt.	326	Manual	Carter	AFB-4243S	One	(b)	4
233, 235, 237 Opt.	326	Automatic	Carter	AFB-4246S	One	(b)	4
242 Std.	400	Manual	Rochester or Carter	7027263	One	(a)	4
242 Std.	400	Automatic	Rochester or Carter	7027262	One	(a)	4
242 Opt.	400	Automatic	Rochester	7027061	One	1.69	2

* All downdraft type.

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

(a) 1.38 primary, 2.25 secondary.

(b) 1.438 primary, 1.688 secondary.

(c) Available on GTO only in combination with air injection or closed CC vent system.

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

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MODEL	TEMPEST	TEMPEST CUSTOM	LEMANS	TEMPEST SAFARI	GTO
ENGINE—COOLING SYSTEM	L-6 Engine				V-8 Engine
Type system (pressure, pressure vented, atmospheric, other)	Pressure Vented				
Radiator cap relief valve pressure	14-17 P.S.I.				
Circulation thermostat — Type (choke, bypass)	Choke				
Circulation thermostat — Starts to open at (°F)	190°				
Water pump — Type (centrifugal, other)	Centrifugal				
Water pump — GPM @ 1000 pump rpm	16				17
Water pump — Number of pumps	One				
Water pump — Drive (V-belt, other)	V-Belt				
Water pump — Bearing type	Sealed Ball Bearing				
By-pass recirculation type (internal, external)	External				Internal
Radiator core type (cellular, tube and fin, other)	Tube and Center				
Cooling system capacity — With heater (qt.)	12.1				18.6 (326), 17.8 (400)
Cooling system capacity — Without heater (qt.)	Heater Standard Equipment				
Cooling system capacity — Opt. equipment-specify (qt.)	12.7 with air conditioning				20.2 (326 W.A/C), 19.4 (40 W.A
Water jackets full length of cylinder (yes, no)	Yes				
Water all around cylinder (yes, no)	Yes				
Radiator hose — Lower — Number and type (molded, straight)	One, Moulded				
Radiator hose — Lower — Inside diameter	1.75				
Radiator hose — Upper — Number and type (molded, straight)	One, Moulded				
Radiator hose — Upper — Inside diameter	1.50				
Radiator hose — By-pass — Number and type (molded, straight)	One				Internal
Radiator hose — By-pass — Inside diameter	5/16 x 16.5				Hose Not Used
Fan — Number of blades & spacing	4 - 76° & 104° (a)(b)				
Fan — Diameter	17.62				18.0
Fan — Ratio-fan to crankshaft rev.	.95:1				.91:1
Fan — Fan cutout type	Fluid Clutch - Thermostatically Controlled (c)				
Fan — Bearing type	See Water Pump				
*Drive belts (indicate belt used by letter) — Fan	A	A, B	A, B	A, B	A, E	B, E	B, E	B, E	6 Cyl. Engine
*Drive belts — Generator or alternator	A	A, B	A, B	A, B	A	B, D	B, D	B, F	See page 11a f
*Drive belts — Water Pump	A	A, B	A, B	A, B	A, E	B, E	B, E	B, E	V-8 Engine
*Drive belts — Power Steering		B		B, C		B, D		B, F	
*Drive belts — Air Conditioning					E	E	E	E	
*Drive belts — Air Injection Pump			B	C			B, D	F	

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	36°	36°	36°	36°	36°	36°					
Nominal length (SAE)	39.0	51.5	30.5	27.6	58.0	36.5					
Width	.38	.47	.38	.38	.47	.38					

(a) A/C with L6 used 7 blade - 18" dia. fan and A/C with V8 uses 7 blade 19.5" dia. both with uneven spacing.

(b) 7 blade 18" dia. fan standard on GTO series.

(c) Used with V8's with A/C and all GTO's except with 2-bbl. carb. engine opt.

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ENGINE—COOLING SYSTEM

V-8 Engine

MODEL	TEMPEST	TEMPEST CUSTOM	LEMANS	TEMPEST SAFARI	GTO
Type system (pressure, pressure vented, atmospheric, other)	See page 11 except for V-8 engine data shown below				
Radiator cap relief valve pressure					
Circulation thermostat — Type (choke, bypass)					
Circulation thermostat — Starts to open at (°F)					
Water pump — Type (centrifugal, other)					
Water pump — GPM @ 1000 pump rpm					
Water pump — Number of pumps					
Water pump — Drive (V-belt, other)					
Water pump — Bearing type					
By-pass recirculation type (internal, external)					
Radiator core type (cellular, tube and fin, other)					
Cooling system capacity — With heater (qt.)					
Cooling system capacity — Without heater (qt.)					
Cooling system capacity — Opt. equipment-specify (qt.)					
Water jackets full length of cylinder (yes, no)					
Water all around cylinder (yes, no)					
Radiator hose — Lower — Number and type (molded, straight)					
Radiator hose — Lower — Inside diameter					
Radiator hose — Upper — Number and type (molded, straight)					
Radiator hose — Upper — Inside diameter					
Radiator hose — By-pass — Number and type (molded, straight)					
Radiator hose — By-pass — Inside diameter					
Fan — Number of blades & spacing					
Fan — Diameter					
Fan — Ratio-fan to crankshaft rev.					
Fan — Fan cutout type					
Fan — Bearing type					
*Drive belts (indicate belt used by letter) — Fan	A	B, C	E	C	A	B, H	D, E	H
*Drive belts — Generator or alternator	A	B	D, E	F	A	B	D, E	F
*Drive belts — Water Pump	A	B, C	E	C	A	B, H	E	H
*Drive belts — Power Steering		C		C		H		H
*Drive belts — Air Conditioning					G	G	G	G
*Drive belts — Air Injection Pump			D	F			D	F

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

(a) Except A/C, 7 blade fan and clutch option, H.D. Cooling & 421 H.O. engine op

(b) Except A/C which is 1.13.

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MODEL	TEMPEST	TEMPEST CUSTOM	LE MANS	TEMPEST SAFARI	GTO
ELECTRICAL—SUPPLY SYSTEM	6-Cylinder		326 V-8		400 V-8
Battery — Make and Model	Delco Y-55 (a)		Delco Y-59 (b)		Delco R-59
Battery — Voltage Rtg. & Total Plates	12-54		12-54		12-66
Battery — SAE Designation & Amp Hr. Rtg.	17 MI-44 Amp. Hr.		2SM-53 Amp. Hr.		2SM-61 Amp. Hr.
Battery — Location	Under Hood - R.H. Side		Under Hood - L.H. Side		
Terminal grounded	Negative				
Generator or Alternator — Make	Delco-Remy				
Generator or Alternator — Model	1100761 (c)		1100704 (d)		
Generator or Alternator — Type and rating	37 Amp. (e)		37 Amp. (e)		
Generator or Alternator — Output at engine idle (neutral)	5-10 Amps.				
Generator or Alternator — Ratio-Gen. to Cr/s rev.	2.74:1 (3.02:1 With A/C)				
Regulator — Make	Delco-Remy				
Regulator — Model	1119515 (f)				
Regulator — Type	Regulating Contacts in Standard Type				
Regulator — Cutout relay — Closing voltage @ generator rpm	Cutout Relay Not Required				
Regulator — Cutout relay — Reverse current to open	Cutout Relay Not Required				
Regulator — Regulated — Voltage	13.8				
Regulator — Regulated — Current	Alternator Self Regulating				
Regulator — Voltage test conditions — Temperature	125° F				
Regulator — Voltage test conditions — Load	10 Amps.				
Regulator — Voltage test conditions — Other	Cycle Regulator Before Final Setting				
ELECTRICAL—STARTING SYSTEM					
Starting motor — Make	Delco-Remy				
Starting motor — Model	1107499 (g)		1107293		1107355 (h)
Starting motor — Rotation (drive end view)	Clockwise				
Starting motor — Engine cranking speed	Not Available				
Starting motor — Test conditions	Motor at room temperature, new battery fully charged and correct rating, standard #4 gauge cables.				
Starting motor — No load test — Amps	49-76		65-100		Test Not
Starting motor — No load test — Volts	10.6		10.6		Recommende
Starting motor — No load test — RPM (min)	6200-9600		3600-5100		
Motor control — Switch (solenoid, manual)	Solenoid				
Motor control — 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 auto. trans. (no clutch).

(a) Delco R-59 used with A/C or H.D. battery option.
(b) With regular fuel engine - Delco R-59 with prem. fuel engine or H.D. battery option.
(c) 1100760 (55 amp.) with A/C.
(d) 1100700 (55 amp.) with A/C.
(e) Diode rectified, 3-phase alternating current.
(f) 1116368 transistor regulator optional.
(g) 1107594 used with automatic transmission.
(h) 1108353 with Ram Air engine.

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MODEL	TEMPEST	TEMPEST CUSTOM	LEMANS	TEMPEST SAFARI	GTO
ELECTRICAL—STARTING SYSTEM (cont.)	6 Cylinder Engine		V-8 Engines		
Motor Drive — Engagement type	Sliding Gear - Overrunning Clutch				
Motor Drive — Pinion meshes (front, rear)	Front				
Motor Drive — Number of teeth — Pinion	9				
Motor Drive — Number of teeth — Flywheel — Manual	155		166		
Motor Drive — Number of teeth — Flywheel — Auto.	155		166		
Motor Drive — Flywheel tooth face width — Manual	.41				.41
Motor Drive — Flywheel tooth face width — Auto.	.41				.41
ELECTRICAL—IGNITION SYSTEM					
Coil — Transistorized - Std., Opt., N.A.	Optional				
Coil — Make	Delco-Remy				
Coil — Model	1115224 Std. (a)		1115244 Std. (a)		
Coil — Amps — Engine stopped	3.5 (Std.)		3.4 (Std.)		
Coil — Amps — Engine idling	2.8 (Std.)		2.1 (Std.)		
Distributor — Make	Delco-Remy				
Distributor — Model (a) (h)	1110396 (b)	1110397 (c)	1111104 (d)	1111105 (e)	1111242 (f)	1111250 (g)
Distributor — Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal) — Start (rpm)	800					
Distributor — Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal) — Intermediate points deg. @ rpm.	12-16 @ 1600	7-11 @ 1500 18-22 @ 4300	23-27 @ 1900 32-36 @ 4600	19-23 @ 1950 28-32 @ 4800	10-14 @ 2000 18-22 @ 6000	21-25 @ 2000 26-30 @ 4600
Distributor — Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal) — Max. deg. @ rpm.	24-28 @ 6000	18-22 @ 6000	32-36 @ 6000	28-32 @ 6000	18-22 @ 6000	26-30 @ 6000
Distributor — Vacuum adv. in crankshaft degrees @ in. Hg. (nominal) — Start (in. Hg.)	4-6		6-8	8-10	6-8	8-10
Distributor — Vacuum adv. in crankshaft degrees @ in. Hg. (nominal) — Intermediate points, deg. @ in. Hg.	None					
Distributor — Vacuum adv. in crankshaft degrees @ in. Hg. (nominal) — Max. deg. in. Hg.	20 @ 11-13		20 @ 13-15		20 @ 15-17	
Distributor — Breaker gap (in.)	.016					
Distributor — Cam angle (deg.)	31-34			28-32		
Distributor — Breaker arm tension (oz.)	19-23					
Timing — Crankshaft deg. @ rpm.	5°BTC*			6°BTC*		
Timing — Mark location	On Balancer			On Crankshaft Pulley Hub		
Spark Plug — Make	AC					
Spark Plug — Model	AC44N			AC45-S		AC44-S
Spark Plug — Thread (mm)	14mm					
Spark Plug — Tightening torque (lb. ft.)	15-25					
Spark Plug — Gap	.033 - .038					
Cable — Conductor type	Carbonized Thread					
Cable — Insulation type	Neoprene					
Cable — Spark plug protector	Hypalon Boot					

(a) Model changes with optional capacitor discharge ignition system. (Not available with 1 bbl. carburetor 6 cylinder engine or 326 2 bbl. carburetor V-8 engine).
(b) 230 cu. in. 1-bbl.
(c) 230 cu. in. 4-bbl.
(d) 326 cu. in. 2-bbl.
(e) 326 cu. in. 4-bbl.
(f) 400 cu. in. 2-bbl.
(g) 400 cu. in. 4-bbl.
(h) Model changes with certain exhaust emission control systems - see page 9 for details.

* At hot idle - all hoses disconnected.

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MODEL	TEMPEST	TEMPEST CUSTOM	LEMANS	TEMPEST SAFARI	GTO

ELECTRICAL—SUPPRESSION

Locations & type	Carbonized thread core secondary cables and engine to dash ground strap on all cars. Ground strap from engine to shroud and right hand skirt to frame plus condenser on regulator of all cars with radio.

ELECTRICAL—INSTRUMENTS AND EQUIPMENT

Speedometer	Make	AC	
	Trip odometer (yes, no)	No	
Charge indicator—type		Tel-tale Lamp	
Temperature indicator—type		Tel-tale Lamp	
Oil pressure indicator—type		Tel-tale Lamp	
Fuel indicator—type		Electric Gage	
Other		Optional Instrument Cluster with Temperature and Oil Pressure Tel-tales Replaced with Gages Plus a Tachometer.	
Windshield wiper	Make	Delco Appliance	
	Type—Standard	Two-Speed Electric	
	Type—Optional	None	
	Vacuum booster provision	None	
	Washer provision	Washer Standard Equipment	
Horn	Type	Solenoid	
	Number used	1 Std. (a)	2 Std.
	Amp draw (each)	4.3 to 5.9 @ 12.5 V	

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type		6-Cylinder Engine	V-8 Engines
		Own Dry	
Type pressure plate springs		Disc Spring	
Total spring load (lb.)		2050 (b)	
No. of clutch driven discs		One	
Clutch facing	Material	Woven Molded Asbestos	
	Outside & inside dia.	10.0 x 6.0 (c)	10.4 x 6.5
	Total eff. area (sq. in.)	82.93 (c)	85.56
	Thickness	.135 (c)	.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 and Metal to Metal Friction	

(a) Second horn optional.
(b) 2350# pressure on 6 cylinder 4 bbl. option and standard GTO.
(c) 6 cylinder 4 bbl. option uses 10.4 x 6.5 driven plate with 80.56 effective area and .140 facing thickness.

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MODEL

DRIVE UNITS—TRANSMISSIONS

	TEMPEST	TEMPEST CUSTOM	LEMANS	TEMPEST SAFARI	GTO
Manual 3-speed (std. or opt.)	Standard				
Manual 4-speed (std. or opt.)	Optional				
Manual with overdrive (std. or opt.)	Not Available				
Automatic (std. or opt.)	Optional				

DRIVE UNITS—MANUAL TRANSMISSION

		3-Speed		4-Speed	
Number of forward speeds		Standard (a)	Std. GTO & HD Opt. (e)	Standard (e)	Close Ratio
Transmission ratios	In first	2.85:1 (a)	2.42:1	2.52:1 (d)	2.20:1
	In second	1.68:1 (a)	1.61:1	1.88:1 (d)	1.64:1
	In third	1.00:1 (a)	1.00:1	1.46:1 (d)	1.28:1
	In fourth	--	--	1.00:1 (d)	1.00:1
	In reverse	2.95:1 (a)	2.33:1	2.59:1 (d)	2.27:1
Synchronous meshing gears		All Forward			
Shift lever location		Steering Column (b)		Floor	
Lubricant	Capacity (pt.)	2.8		2.5	
	Type recommended	Type A - Extreme Pressure			
	SAE viscosity number — Summer	80 or 90			
	SAE viscosity number — Winter	80 or 90			
	SAE viscosity number — Extreme cold	80 or 90			

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

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

(a) Except 326 Cu. In. Engine option where ratios are 2.54:1, 1.50:1, 1.00:1, and 2.63:1 (Rev.) and except GTO.

(b) Floor shift available with heavy duty 3 speed option or 6 cyl. 4 bbl. option only.

(c) Available on GTO only - special order.

(d) Except 6 cyl. 4 bbl. option where ratios are 3.11:1, 2.20:1, 1.47:1, 1.00:1 and 3.11:1 (Rev.).

(e) Std. equipment on GTO (Includes floor shift) - available (including floor shift) on other series with optional V-8 engines only.

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MODEL	Tempest	Tempest Custom	LeMans	Tempest Safari	GTO

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Automatic				Turbo Hydra-Matic
Type describe	Torque Converter				
Method of Selection (Lever, Push Button or other)	Lever				
Selector Pattern	P-R-N-D-L				P-R-N-D-S-L
List gear ratios Selector Pattern and indicate which are used in each selector position	R 1.76	D 1.76 1.00	L 1.76 (a)		R 2.08 D 2.48 1.48 S 2.48 1.00 L 2.4
	6 Cyl. Engines	V-8 Engines		2 Bbl.	4 Bbl.
Max. upshift speeds—drive range	80 MPH	73 MPH		114	110
Max. kickdown speeds—drive range	75 MPH	68 MPH		(c)	(d)
Torque convertor: Number of elements	Three				
Torque convertor: Max. ratio at stall	2.8:1	2.5:1		2.05:1	2.3:1
Torque convertor: Type of cooling (air, liquid)	Air	Water			
Lubricant: Capacity—refill (pt.)	15 (Approx.)			19 (Approx.)	
Lubricant: Type recommended	GM Automatic Transmission Fluid - AQATF-A				
Special transmission features	Shift lever must be lifed over stop to enter "Park", "Reverse" and "Low" ("S" on GTO) positions. Engine starting in "Neutral" and "Park" positions provided for.				

DRIVE UNITS—PROPELLER SHAFT

Number used	One		
Type (exposed, torque tube)	Exposed		
Outer diameter x length* x wall thickness: Manual 3-speed transmission	3.25 x 60.0 x .065		
Outer diameter x length* x wall thickness: Manual 4-speed transmission	3.25 x 60.0 x .065		
Outer diameter x length* x wall thickness: Overdrive transmission	Not Available		
Outer diameter x length* x wall thickness: Automatic transmission	3.25 x 60.0 x .065		3.25 x 59.34 x .0

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

(Continued)

(a) Total transmission torque multiplication in first gear is 4.93:1 with 6 cyl. an V-326 HO engine, 4.4:1 with optional V-326 2 bbl. engine.

(b) Total transmission torque multiplication in first gear is 5.09:1 with 2 bbl. en and 5.7:1 with 4 bbl. engine.

(c) 3-2 @ 70, 3-1 @ 29

(d) 3-2 @ 69, 3-1 @ 27

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MODEL	TEMPEST	TEMPEST CUSTOM	LEMANS	TEMPEST SAFARI	GTO

DRIVE UNITS—PROPELLER SHAFT (cont.)

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

DRIVE UNITS—REAR AXLE

Description			Semi-Floating Hypoid Rear Axle
Limited Slip differential, type			Spring Loaded Clutch (Opt.)
Drive Pinion Offset			1.50
No. of differential pinions			2
Ring gear O.D. (std. ratio)			8.125
Pinion adjustment (shim, other)			Shim
Pinion bearing adj. (shim, other)			Collapsible Spacer
Wheel bearing type			Single Row Ball Bearing
Lubricant	Capacity (pt.)		3
	Type recommended		Hypoid (a)
	SAE viscosity number	Summer	80 or 90
		Winter	80 or 90
		Extreme cold	80 or 90

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 4 for axle ratio usage)

Axle ratio		2.56:1	2.78:1	2.93:1	3.08:1	3.23:1	3.36:1	3.55:1	3.90:1	4.33:
No. of teeth	Pinion	16	14	14	13	13	11	11	10	9
	Ring gear	41	39	41	40	42	37	39	39	39

(a) Special lubricant required with limited slip differential.

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MODEL	TEMPEST	TEMPEST CUSTOM	LEMANS	TEMPEST SAFARI	GTO

DRIVE UNITS—WHEELS

Type & material		Disc - Steel		
Rim (size and flange type)	Std.	14 x 5J		14 x 6JK
	Opt.	Optional Wheel Rim Same as Std.		14 x 5J
Attachment	Type (bolt or stud)	Bolt		
	Circle diameter	4.75		
	Number and size	5, 7/16-20		

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	7.75 x 14 (c)	F70 x 1
	Type - Nylon, etc.	Synthetic Fiber	
Rev/mile at 50 mph.		766 (d)	794
Inflation press. (cold)	Front	24	
	Rear	32 (a)	
Optional tires - size and ply		7.75 x 14 4 Ply-8 Ply Rated-H.D. Option On All Models 7.75 x 14 2 Ply-4 Ply Rated, Red Line Tire Optional On All Except GTO. F70 x 14 (e)	

BRAKES—SERVICE

		Standard System	Front Disc Brake Opt.
Type (duo-servo, disc, balanced, etc.)		Hydraulic, Int. Expanding, 2 Shoe, Single Anchor	Disc
Self adjusting (std., opt., N.A.)		Standard	Std.
Hydraulic system type (single, dual, etc.)		Dual	Dual
Power brake make & type (remote, integral, etc.)		Delco Moraine, Integral Type, Vacuum Suspended	
Effective area (sq. in.) *		149.4	101.9
Gross lining area (sq. in.) **		155.5	109.1
Swept drum area (sq. in.) ***		269.2	323.6
Percent brake effectiveness—front		62.6	62.6
Drum or Rotor	Diameter Front	9.5	11.12
	Diameter Rear	9.5	9.5
	Type and material	Cast Alloy Iron	
	Rotor (vented or solid)	----	Vented
	No. pistons per caliper	----	4
Wheel cylinder bore	Front	1.125	2.062
	Rear	.875	.875
Master cylinder bore		1.00	1.125
Available pedal travel		6.81 Std., 4.15 with Power Brake Opt.	4.15 (Pow
Line pressure at 100 lb. pedal load		700 (Manual), 900 (Power)	800 C
Shoe clearance adjustment		Tighten to Heavy Drag, Then Back Off 26 Notches	SpringLo

(Continued)

* Excludes rivet holes, grooves, chamfers, etc.

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

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

(a) Full rated load pressure - reduce to 24 p.s.i. for improved ride with 1 to 5 passen load in sedans and coupes - 28 p.s.i. with 1 to 5 passenger load in station wagon.

(b)

(c) 2 Ply - 4 Ply Rating.

(d) 794 wheel rev. per mile with optional F70 x 14 size.

(e) F70 x 14 std. tire with optional ride and handling package on all except GTO series

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MODEL	TEMPEST	TEMPEST CUSTOM	LEMANS	TEMPEST SAFARI	GTO

BRAKES—SERVICE (cont.)

				Standard System	Front Disc Brake Option
Brake lining	Drum or Disc			Drum	Disc Frt. - Drum Rear
	Bonded or riveted			Riveted	
	Front Wheel	Material		Molded Asbestos	
		Size (length x width x thickness)	Prim. or outboard	7.6 x 2.5 x .196	5.95 x 1.75 x .40
			Second. or inboard	9.85 x 2.5 x .265	5.95 x 1.75 x .40
		Segments per shoe		One	One
	Rear Wheel	Material		Molded Asbestos	
		Size (length x width x thickness)	Prim. or outboard	7.6 x 2.0 x .196	
			Second. or inboard	9.85 x 2.0 x .265	
		Segments per shoe		One	

BRAKES—PARKING

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

FRAME

Type and description (Separate frame, unitized frame, partially - unitized frame)	Perimeter Type with Swept Hips - Boxed on Convertible

STEERING

Manual (std., opt., NA)				Standard
Power (std., opt., NA)				Optional
Adjustable steering wheel (tilt, swing, other)		Type and description		Tilting Wheel - Adjusts Vertically - Seven Positions
		(std., opt., NA)		Optional
Wheel diameter		Manual		15.5 x 16.0
		Power		15.5 x 16.0
Turning diameter	Outside front	Wall to wall (l. & r.)		43.4
		Curb to curb (l. & r.)		40.9
	Inside rear	Wall to wall (l. & r.)		25.0
		Curb to curb (l. & r.)		25.6
Outside wheel angle with inside wheel at 20°				18.6°
Manual	Gear	Type		Recirculating Ball Bearing
		Make		Saginaw
		Ratios	Gear	24:1
			Overall	28.3:1
	No. wheel turns			5.6

(Continued)

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STEERING (cont.)

MODEL				TEMPEST	TEMPEST CUSTOM	LEMANS	TEMPEST SAFARI	GTO
Power	Type (coaxial, linkage, etc.)			Coaxial				
	Make			Saginaw				
	Gear	Type		Recirculating Ball Bearing				
		Ratios	Gear	17.5:1				
			Overall	22.0:1				
	Pump driven by			Belt From Crankshaft				
	Number wheel turns			4.2				
Linkage	Type			Link Parallelogram				
	Location (front or rear of wheels, other)			Front of Wheels				
	Drag link (trans. or longit.)			Transverse Strg. Rod Connects Tie Rods, Pitman & Idler Arms				
	Tie rods (one or two)			Two				
Steering Axis	Inclination at camber (deg.)			9°0' @ 0° Camber				
	Bearings (type)	Upper		Ball Joint				
		Lower		Ball Joint				
		Thrust		Spring Load Taken by Lower Ball Joint				
Wheel Alignment (range at curb weight and preferred)	Caster (deg.)			1° 30' Negative ± 30'				
	Camber (deg.)			0° 15' Positive ± 30'				
	Toe-in (outside track inches)			0 to .125 Toe-in Measured 9 Inches Above Floor				
Steering spindle & joint type				Reverse Elliott - Ball Joint				
Wheel spindle	Diameter	Inner bearing		1.249				
		Outer bearing		.749				
	Thread size			3/4 - 20				
	Bearing type			Taper Roller				

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MODEL	TEMPEST	TEMPEST CUSTOM	LEMANS	TEMPEST SAFARI	GTO

SUSPENSION—GENERAL

(See Supplemental page for details on Air Suspension)*

Provision for car leveling		None
Provision for brake dip control		Compound Anti-Dive Control Front and Anti-Rise Rear Suspensic
Provision for acc. squat control		Geometry of Rear Suspension
Special provisions for car jacking		Jack Locating Provisions on Front and Rear Bumpers
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 Mounted on Rubber Bushings.	
Spring	Type	Coil	
	Material	SAE 9260	
	Size (coil design height & I.D.; bar length x dia.)	11.4 x 3.6	
	Spring rate (lb. per in.)	225 (a)	305
	Rate at wheel (lb. per in.)	66 (b)	89.5
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	SAE 9260 (c)	

SUSPENSION—REAR

Type and description			Four Link Pivoted Control Arm	
Drive and torque taken through			Control Arms	
Spring	Type		Coil	
	Material		SAE 9260	
	Size (length x width, coil design height & I.D.; bar length & dia.		8.52 & 5.50	
	Spring rate (lb. per in.)		106 (d)	122
	Rate at wheel (lb. per in.)		96 (e)	110
	Mounting insulation type		None	
	If leaf	No. of leaves	None	
		Shackle (comp. or tens)	None	
Stabilizer	Type (link, linkless, frameless)		None	
	Material		None	
Track bar type			None	

(a) Except 250 on station wagon and 275 on all 233, 235 & 237 series with optional V-326 engine.

(b) Wheel rate 73.5 with 250 rate spring & 80.5 with 275 rate springs.

(c) .875 dia. except .938 dia. bar with OHC 6-cyl. 4-bbl. opt. & GTO series.

(d) Except 150 on station wagon.

(e) Except 136 on station wagon.

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BODY—MISCELLANEOUS INFORMATION

MODEL	TEMPEST	TEMPEST CUSTOM	LEMANS	TEMPEST SAFARI	GTO
Drs. hinged (front, rear) — Front doors	Front				
Drs. hinged (front, rear) — Rear doors	Front				----
Type of finish (lacquer, enamel, other)	Acrylic Lacquer				
Hood counterbalanced (yes, no)	Yes				
Hood release control (internal, external)	External				
Vehicle Indent. No. location	Left Front Body Pillar				
Engine No. location	Top of Cylinder Block on R.H. Side Near Oil Filter (a)				
Theft protection - type	Door locks, ign. sw. terminals covered by locked-on conn body, key starter control & in-harness wiring from sw. to starter & coil.				
Vent window control method (crank, friction pivot) — Front	Friction Pivot				
Vent window control method (crank, friction pivot) — Rear	None				
Seat cushion type — Front	(b)	(c)	(b)	(c)	
Seat cushion type — Rear	(d)				
Seat cushion type — 3rd seat	None				
Seat back type — Front	(d)	(c)	(d)	(c)	
Seat back type — Rear	(d)				
Seat back type — 3rd seat	None				
Windshield glass type (i.e., single curved - laminated plate)	Single Curved Laminated Safety Plate				
Side glass type (i.e., curved - tempered plate)	Curved Tempered Safety Plate				
Backlight glass type (i.e., compound curved - tempered plate, three piece)	Tempered Safety Plate - Flat on 07 & 17 Styles, Single Curve on 69 & 35 Styles, Compound Curve on 39 Styles				

Body Style	07	17	39	67	69	35
Windshield glass exposed surface area	1144.2	1144.2	1107.1	1144.2	1107.1	1107.1
Side glass exposed surface area	1198.6	1302.2	1432.8	1246.8	1259.0	2485.2
Backlight glass exposed surface area	728.9	728.9	834.0	833.8	1060.4	768.4
Total glass exposed surface area	3071.7	3175.3	3373.9	3224.8	3426.5	4360.7

LAMP HEIGHT AND SPACING

			All Except 35 Style & 242 Series	All 35 Styles	All 242 Se
Height above ground to center of bulb	Headlamp	Highest *	32.0	31.1	31.5
		Lowest	25.6	24.7	25.1
	Tail	Highest	27.7	30.6	24.9
		Lowest	27.7	26.5	24.9
Distance from C/L of car to center of bulb	Headlamp	Inside	31.6	31.6	31.6
		Outside *	31.6	31.6	31.6
	Tail	Inside	19.8 (e)	32.1	16.9
		Outside	29.1 (f)	32.3	28.2
	Directional	Front	23.9	23.9	22.17
		Rear	19.8 (e) & 29.1 (f)	32.1 & 32.3	16.9 & 28

* If single headlamps are used enter here.

(a) Front of R.H. Cylinder bank on V-8 engines.

(b) Zig-zag spring with foam pad.

(c) Zig-zag spring with contour molded foam pad on coupes - LeMans 23739 is same as Tempest.

(d) Zig-zag spring with cotton pad.

(e) 19.6 on 237 series.

(f) 29.3 on 237 series.

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CONVENIENCE EQUIPMENT

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

MODEL	TEMPEST	TEMPEST CUSTOM	LEMANS	TEMPEST SAFARI	GTO
Power windows — Side Windows	Optional				
Power windows — Vent Windows	Not Available				
Power windows — Backlight or tailgate	Optional on Station Wagons				
Power seats (specify type as well as availability)	Power Tilt Seat (fore and aft plus elevation at rear edge) Optional on All Bench and Left Hand Bucket Seats				
Reclining front seat back	Optional on R.H. Side with Bucket Seats				
Front seat headrest	Optional L & R on All Seats				
Radios (specify type as well as availability)	AM Manual, AM Push Button & AM-FM Push Button Optional on All Models				
Rear seat speaker	Optional - Also Reverberation Type Optional (a)				
Power Antenna	Optional Except on Station Wagon				
Clock	Optional				
Air Conditioner (specify type and availability)	Reheat Cycle - Optional				
Speed warning device	Safeguard Speedometer - Optional				
Speed control device	Optional on Cars With V-8 Engine & Auto. Trans. Comb.				
Ignition lock lamp	Optional				
Back up lamp	Standard				
Dome lamp	Standard Except Convertible				
Glove compartment lamp	Std. on 237, 239 & 242 Series - Optional on Others				
Prkg. brake signal lamp	Standard				
Luggage compartment lamp	Optional				
Underhood lamp	Optional				
Courtesy lamp	Std. on 237, 239 & 242 Series - Optional on Others				
Map lamp	N.A.				
Auto. trans. quad. lamp	Standard				
Emergency flasher lamp	Standard				
Cornering light lamp	N.A.				
Low Fuel Warning Lamp	Optional - With Safeguard Speedometer				
Tachometer	Available in Optional Rally Cluster (b)				
Ash Tray & Cig. Lighter Lmp.	Std. on 237, 239 & 242 Series - Optional on Others				
Roof Rail & Reading Lamp	Optional				
Low Brake Pressure Warning Lamp	Standard				
Stereo Tape Player	Optional in combination with any radio				

(a) Rear speakers not available on convertible.

(b) As factory installation - dealer installation provides hood mounted unit only.

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WEIGHTS

Model	Style No.	CURB WEIGHT - POUNDS Front	Rear	Total	% PASS. WEIGHT DISTRIBUTION Pass. In Front Front	Pass. In Front Rear	Pass. In Rear Front	Pass. In Rear Rear	SHIPPING WEIGHT
TEMPEST									
4 Dr. Sedan	23369			3296					3140
Sports Coupe	23307			3266					3110
Station Wagon 2 Seat	23335			3526					3370
TEMPEST CUSTOM									
4 Dr. Sedan	23569			3301					3145
Sports Coupe	23507			3286					3130
4 Dr. Hardtop	23539			3396					3240
Hardtop Coupe	23517			3296					3140
Convertible	23567			3396					3240
Station Wagon 2 Seat	23535			3526					3370
LEMANS									
4 Dr. Hardtop	23739			3421					3265
Sports Coupe	23707			3311					3155
Hardtop Coupe	23717			3311					3155
Convertible	23767			3406					3250
TEMPEST SAFARI									
Station Wagon 2 Seat	23935			3546					3390
GTO									
Sports Coupe	24207			3593					3425
Hardtop Coupe	24217			3598					3430
Convertible	24267			3683					3515

Accessories & Equipment Differential Weights				Remarks
Automatic Transmission			0	All except GTO series
Automatic Transmission			+ 50	GTO - Turbo Hydra-Matic
Air Conditioning			+124	
Power Steering			+ 28	
Power Brakes			+ 10	
V-8 326 cu. in. Engine			+181	
Power Windows			+ 21	

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