AUTOMOBILE MANUFACTURERS ASSOCIATION
CONSOLIDATED SPECIFICATION QUESTIONNAIRE

SEPTEMBER 30, 1955

MAKE OF CAR:	MERCURY	**MODEL NAME**	**SYMBOL**
COMPANY:	FORD MOTOR COMPANY MERCURY DIVISION	CUSTOM MONTEREY MONTCLAIR AUTOMOBILES	
MODEL YEAR:	1956	**DATE** SEPTEMBER 30, 1955 REVISED DECEMBER 12, 1955	

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NOTES: 1. The specifications set forth herein are those in effect at the date of compilation and are subject to change without notice.
2. All specifications are standard for the models under which they are listed unless otherwise indicated.
3. All dimensions are nominal engineering dimensions unless otherwise indicated.
4. Unless otherwise indicated, specifications apply to 5 or 6 passenger, 4-door sedan or equivalent.

GENERAL SPECIFICATIONS

Model		CUSTOM	MONTEREY	MONTCLAIR
Wheelbase			119	
Tread	Front		58	
	Rear		59	
Maximum Overall Dimensions	Length (L-103)		206.4	
	Width (W-103)		76.4	
	Height (H-101)	60.6	60.6	58.8
Steering ratio—overall			25.4:1	
Turning diameter (curb to curb)			43.19	
Shipping weight*		(a)3458	3522	3542
Transmission—(Specify standard, optional, not avail.)	Conventional		STANDARD	
	Overdrive		OPTIONAL	
	Automatic		OPTIONAL	
Axle ratio	Conventional		3.73 STD. 4.09 OPTIONAL	
	Overdrive		4.09 STD. 3.73 OPTIONAL	
	Automatic		3.15 STD. 3.54 OPTIONAL	
Tire size			7.10 x 15 TUBELESS	
Engine	Type		"V"	
	No. of cylinders		8	
	Valve arrangement		OVERHEAD	
	Bore and stroke		3.80 x 3.44	
	Piston displacement, cu. in.		312	
	Standard compression ratio		8.0:1	
	Maximum bhp at engine rpm		210 @ 4600	
	Maximum torque at rpm		312 @ 2600	

*Standard car weight, not including gas and water.

[a]Revised December 12, 1955

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MODEL	CUSTOM	MONTEREY	MONTCLAIR

ENGINE—GENERAL

Type	V, In-line, other		V
	Angle of V		90°
No. of cylinders			8
Valve arrangement			OVERHEAD
Bore and stroke			3.80 x 3.44
Piston displacement, cu. in.			312
Numbering system (front to rear)	L. Bank		5-6-7-8
	R. Bank		1-2-3-4
Firing order			1-5-4-8-6-3-7-2
Compression ratio	Standard Head		8.0:1
	Optional Head		[a]8.4:1 OR 9.0:1
Cylinders	Head Material	Standard	CAST IRON
		Optional	CAST IRON
	Sleeve—Wet, dry, other, none		NONE
Number of mounting points		Front	2
		Rear	1
Taxable horsepower	(Dia.^{2} x No. Cyl.) / 2.5		46.21
Advertised max. brake horsepower at engine RPM*	Standard head		210 @ 4600
	Optional head		[a]215 or 225 @ 4600
	With fuel (Octane and method)	Standard Head	----
		Optional Head	----
Max. torque (lb. ft. @ RPM)	Standard head		312 @ 2600
	Optional head		[a]317 or 324 @ 2600
Recommended idle speed (neutral)			475-500 RPM

ENGINE—PISTONS

Material			ALUMINUM ALLOY
Description and finish			AUTOTHERMIC, SOLID SKIRT CAM-GROUND, FLAT HEAD TIN-PLATED
Weight (piston only) oz.			20.39-20.53 (8 GRADES)
Clearance	Top land		.0230-.0284
	Skirt	Top	.0010-.0024
		Bottom	.0006-.0012 CENTER OF SKIRT
Ring groove depth	No. 1 ring		.1945-.2107
	No. 2 ring		.1945-.2107
	No. 3 ring		.1855-.2017
	No. 4 ring		NONE

*Corrected as defined by SAE Engine Test Code, with the following standard power consuming accessories:

[a]MERCOMATIC MUST BE USED

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MODEL			CUSTOM	MONTEREY	MONTCLAIR
ENGINE—RINGS					
Type (top to bottom)	No. 1 oil or comp.			COMPRESSION	
	No. 2 oil or comp.			COMPRESSION	
	No. 3 oil or comp.			OIL CONTROL	
	No. 4 oil or comp.			NONE	
No. rings above piston pin				3	
Compression	Material			CAST IRON	
	Coating			NO. 1 RING - CHROME-PLATED NO. 2 RING - PHOSPHATE-COATED	
	Width		NO. 1 RING - .0775-.0780, NO. 2 RING - .0930-.0940		
	Gap		NO. 1 RING - .013-.023, NO. 2 RING - .010-.020		
	Maximum wall thickness			.178	
Oil	Material			STEEL	
	Coating			CHROME-PLATED RAILS BLUED EXPANDER	
	Width			.183 (ASSEMBLY)	
	Gap			.015-.055	
	Maximum wall thickness			.153 (RAIL ONLY)	
Location of expanders				IN OIL RING ASSEMBLY	
ENGINE—PISTON PINS					
Material				ALLOY STEEL	
Length				3.016-3.030	
Diameter				.9120-.9123	
Type	Locked in rod, in piston, floating, etc.			FULL-FLOATING	
	Bushing	In rod or piston		IN ROD	
		Material		BRONZE	
Clearance	In piston			.0001-.0003 SELECTIVE FIT	
	In rod			.0001-.0003 SELECTIVE FIT	
Direction offset in piston				RIGHT - .062	
ENGINE—CONNECTING RODS					
Material				FORGED STEEL	
Weight (oz.)				22.69 - 22.96 (8 GRADES)	
Length (center to center)				6.250 - 6.254	
Bearing	Material			STEEL-BACKED COPPER-LEAD	
	Type (cast-in or removable)			REPLACEABLE INSERT	
	Effective length			.711	
	Clearance			.0008-.0027	
	End play			.006 - .016 (2 RODS)	
ENGINE—CRANKSHAFT					
Material				PRECISION-MOLDED ALLOY IRON	
Weight (lb.)				50.43	

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MODEL			CUSTOM	MONTEREY	MONTCLAIR
ENGINE—CRANKSHAFT (cont.)					
Vibration damper type			RUBBER FLOATED		
End thrust taken by bearing (No.)			3		
Crankshaft end play			.002-.006		
Main bearing	Material		STEEL-BACKED COPPER-LEAD		
	Type (cast-in or removable)		REPLACEABLE INSERT		
	Clearance		.0008-.0026		
	Journal dia. and bearing effective length	No. 1	2.6235 - 2.6243 x .688		
		No. 2	2.6235 - 2.6243 x .688		
		No. 3	2.6235 - 2.6243 x .662		
		No. 4	2.6235 - 2.6243 x .688		
		No. 5	2.6235 - 2.6243 x .688		
		No. 6	NONE		
		No. 7	NONE		
	Direction offset from cyl. bore		NONE		
Connecting rod crankpin journal diameter			2.1880 - 2.1888		
ENGINE—CAMSHAFT					
Material			PRECISION-MOLDED ALLOY IRON		
Bearings	Material		STEEL-BACKED BABBITT		
	Number		5		
Type of drive	Gear or chain		CHAIN		
	Crankshaft gear or sprocket material		STEEL		
	Camshaft gear or sprocket material		CAST IRON		
	Timing chain	Make	----		
		No. of links	56		
		Width	.9375		
		Pitch	.375		
ENGINE—VALVE SYSTEM					
Hydraulic lifters (yes, no)			NO		
Special provision for valve rotation (intake, exhaust)			FREE-TURN INTAKE AND EXHAUST VALVES		
Rocker ratio			1.54:1		
Operating tappet clearance (indicate hot or cold)	Intake		.019 HOT		
	Exhaust		.019 HOT		
Tappet clearance for timing	Intake		.019 HOT		
	Exhaust		.019 HOT		
Timing marks on fly-wheel, damper, other			VIBRATION DAMPER		

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MODEL			CUSTOM	MONTEREY	MONTCLAIR
ENGINE—VALVE SYSTEM (cont.)					
Timing	Intake	Opens (°BTC)		12°	
		Closes (°ABC)		54°	
	Exhaust	Opens (°BBC)		58°	
		Closes (°ATC)		8°	
Intake	Material			CHROME STEEL	
	Overall length			5.11	
	Actual overall head dia.			1.775-1.785	
	Angle of seat			45°30' - 45°45'	
	Seat insert material			NONE	
	Stem diameter			.3415 - .3425	
	Stem to guide clearance			.001-.002 (SELECTIVE FIT)	
	Lift			.386	
	Outer spring press. and length	Valve closed (lb. @ in.)		71-79 @ 1.78	
		Valve open (lb. @ in.)		161-177 @ 1.39	
	Inner spring press. and length	Valve closed (lb. @ in.)		NONE	
		Valve open (lb. @ in.)		NONE	
Exhaust	Material			AUSTENITIC STEEL	
	Overall length			5.09	
	Actual overall head dia.			1.505-1.515	
	Angle of seat			45°30' - 45°45'	
	Seat insert material			NONE	
	Stem diameter			.3405-.3415	
	Stem to guide clearance			.002-.003 (SELECTIVE FIT)	
	Lift			.384	
	Outer spring press. and length	Valve closed (lb. @ in.)		71-79 @ 1.78	
		Valve open (lb. @ in.)		161-177 @ 1.39	
	Inner spring press. and length	Valve closed (lb. @ in.)		NONE	
		Valve open (lb. @ in.)		NONE	
ENGINE—LUBRICATION SYSTEM					
Type of lubrication (splash, pressure, nozzle)	Main bearings			PRESSURE	
	Connecting rods			PRESSURE	
	Piston pins			OIL MIST	
	Camshaft bearings			PRESSURE	
	Tappets			GRAVITY	
	Timing gear or chain			GRAVITY	
	Cylinder walls			PRESSURE STREAM	

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ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	GEAR
Normal oil pressure (lb. @ rpm)	45-50 PSI @ 2000
Oil pressure gage type (electric or mechanical)	ELECTRIC
Type oil intake (floating, stationary)	STATIONARY
Oil filter type (full flow, partial flow)	FULL FLOW
Capacity of crankcase, less filter—refill (qt.)	5
Oil grade recommended (SAE viscosity and temperature range)	NOT LOWER THAN +30°F - SAE 20 or 20W NOT LOWER THAN -10°F - SAE 10 or 10W LOWER THAN -10°F - SAE 5W
Oil type recommended	NORMAL SERVICE - ML - REGULAR (LOW DETERGENCY) HEAVY DUTY SERVICE - MM - PREMIUM (MILD DETERGENCY)

ENGINE—FUEL SYSTEM

Recommended fuel	Standard head		REGULAR
	Optional head		[a]REGULAR
Fuel Tank	Capacity (gals.)		18
	Filler Location		BACK OF REAR LICENSE PLATE
Fuel Filter	Type		POROUS FIBER
	Location		FUEL PUMP SEDIMENT BOWL
Fuel pump	Type (elec. or mech.)		[b]MECHANICAL DIAPHRAGM
	Location		LOWER LEFT FRONT
	Pressure range		4-5 PSI @ IDLE
	Vacuum booster (std., opti., none)		STANDARD
Carburetor	Make		---
	Model number		---
	Number used		ONE
	Type	Downdraft, side inlet, other	DOWNDRAFT
		Single or dual	4-BARREL
	Intake manifold heat control (manual, auto., none)		AUTOMATIC
	Automatic choke type (integral, other)		INTEGRAL
	Air cleaner type	Standard	OIL BATH
		Optional	NONE

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		SINGLE	DUAL
Muffler type (rev. flow, str. thru, sep.resonator)			3 PASSAGE REVERSE FLOW
Exhaust pipe dia.	Branch	2.00	--
	Main	2.00	2.00
Tail pipe diameter		2.00	1.75

[a]PREMIUM FUEL RECOMMENDED WHEN 9.0:1 COMPRESSION RATIO IS USED
[b]REVISED

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MODEL			CUSTOM	MONTEREY	MONTCLAIR
ENGINE—COOLING SYSTEM					
Type (pressure system, atmospheric, other)				PRESSURE	
Radiator cap relief valve press.				12-15 P.S.I.	
Circulation thermostat	Type (choke, bypass)			CHOKE, PELLET OPERATED	
	Starts to open at			157° - 162°F	
Water pump	Type (centrifugal, other)			CENTRIFUGAL	
	Number of pumps			ONE	
	Drive (V-belt, other)			"V"	
	Bearing type			DOUBLE ROW - SEALED BALL	
By-pass recirculation type (internal, external)				FIXED EXTERNAL	
Radiator core type (cellular, tube and fin)				CELLULAR OR FLAT FIN AND TUBE	
Cooling system capacity	With heater (qt.)			20	
	Without heater (qt.)			19	
Water jackets full length of cylinder (yes, no)				YES	
Water all around cylinder (yes, no)				YES	
Radiator hose	Lower	Number and type (molded, straight)		ONE - MOLDED	
		Inside diameter and length		2.00 x 11.75	
	Upper	Number and type (molded, straight)		ONE MOLDED	
		Inside diameter and length		1.50 x 11.90	
	By-pass	Number and type (molded, straight)		ONE, MOLDED	
		Inside diameter and length		.578 - .640 x 3.18	
Drive belts	Fan	Number used		ONE	
		Angle of V		38°	
		Outside length		45.14	
		Width		.50	
	Generator	Angle of V		SAME	
		Outside length		BELT USED	
		Width		ON FAN	
Fan	Number of blades and spacing			4 - UNEQUAL	
	Diameter			17.75	
	Ratio—fan to crankshaft revolutions			.90:1	
	Bearing type			SAME AS WATER PUMP	

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MODEL			CUSTOM	MONTEREY	MONTCLAIR
ELECTRICAL—SUPPLY SYSTEM					
Battery	Make and Model			VARIOUS	
	Voltage Rtg. & Plates/cell		12 VOLTS	11 PLATES/CELL	
	SAE Designation & Amp Hr. Rtg			55	
	Location			ENGINE COMPARTMENT, RIGHT FRONT	
	Terminal grounded			NEGATIVE	
Generator	Make			FORD	
	Model			FAS-10000-B	
	Type			SHUNT	
	Ratio—Gen. to Cr/s rev.			2:1	
Regulator	Make			FORD OR AMERICAN BOSCH	
	Model			FAP-10505-B OR C	
	Type			3-UNIT	
	Cutout relay	Closing voltage @ generator rpm		12.0 - 12.8	
		Reverse current to open		2-6	
	Regulated	Voltage		14.6 - 15.4 @ 75°F	
		Current		28-32	
	Min. Gen. rpm required			3000	
	Voltage test conditions	Temperature		75°F	
		Load		5 AMPS	
		Other			
ELECTRICAL—STARTING SYSTEM					
Starting motor	Make			FORD	
	Model			FAR-11001-A	
	Rotation (drive end view)			CLOCKWISE	
	Engine cranking speed			150-180	
	Test conditions			85°F	
	Lock test	Amps		550 MAXIMUM	
		Volts		5	
		Torque (lb. ft.)		15.5 MINIMUM	
	No load test	Amps		120 MAXIMUM	
		Volts		12	
		RPM (min.)		4800 MAXIMUM	
Motor control	Switch (solenoid, manual)			SOLENOID	
	Starting procedure			TURN IGNITION KEY TO RIGHT BEYOND "ON" POSITION	

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MODEL			CUSTOM	MONTEREY	MONTCLAIR
ELECTRICAL—STARTING SYSTEM (cont.)					
Motor drive	Engagement type		BENDIX FOLO-THRU		
	Pinion meshes (front, rear)		FROM REAR		
	Number of teeth	Pinion	9		
		Flywheel	146		
	Flywheel tooth face width		3/8		
ELECTRICAL—IGNITION SYSTEM					
Coil	Make		FORD & ESSEX WIRE		
	Model		FAC-12029-A		
	Amps	Engine stopped	4.5		
		Engine idling	2.5		
Distributor	Make		FORD OR HOLLEY		
	Model		FDT-12127-B		
	Spark advance data (at distributor shaft)	Centr. advance start (rpm)	NONE		
		Centr. advance max. deg. @ rpm	NONE		
		Vacuum advance start (in. Hg.)	.27		
		Vac. adv. (max. deg. @ in. Hg.)	13.5° @ 2.19		
	Breaker gap (in.)		.014 - .016		
	Cam angle (deg.)		26° - 28.5°		
	Breaker arm tension (oz.)		17 - 20		
Timing	C/S deg. @ rpm		3° BTDC STD. & O/D; 6° BTDC AUTO.		
	Mark location		VIBRATION DAMPER		
	Cylinder numbering system (see page 2)		L. BANK 5-6-7-8 R. BANK 1-2-3-4		
	Firing order (see page 2)		1-5-4-8-6-3-7-2		
Spark plug	Make and model		CHAMPION 870		
	Thread (mm)		18		
	Tightening torque (lb. ft.)		20-30 PROD. INST. ONLY		
	Gap		.032 - .036		
Cable	Conductor type		STRANDED STEEL		
	Insulation type		NEOPRENE SHEATH		
	Spark plug protector		NEOPRENE CAP		
ELECTRICAL—SUPPRESSION					
Description					

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MODEL		CUSTOM	MONTEREY	MONTCLAIR
ELECTRICAL—INSTRUMENTS AND SWITCHES				
Speedometer	Make	KING SEELEY		
	Trip odometer (yes, no)	NO		
Charge indicator—type		AMMETER		
Temperature indicator—type		ELECTRIC GAGE		
Oil pressure indicator—type		ELECTRIC GAGE		
Fuel indicator—type		ELECTRIC GAGE		
Ignition switch	Identify positions in order and circuits controlled	TO LEFT - ACCESSORIES ON CENTER - ACCESSORIES AND ENGINE OFF TO RIGHT- 1ST POSITION: ACCESSORIES AND ENGINE ON 2ND POSITION: STARTER AND ENGINE ON		
	Provision for illumination	LIGHTED WITH INSTRUMENT PANEL LIGHTS ON		
	Location	ON INSTRUMENT PANEL TO RIGHT OF STEERING COLUMN		
	Theft protection type			
Main lighting switch	Identify positions and lights controlled	PULL OUT - 1ST POSITION: PARKING, TAIL, LICENSE AND INSTRUMENT PANEL LIGHTS 2ND POSITION: HEAD, TAIL, LICENSE AND INSTRUMENT PANEL LIGHTS ROTATE KNOB CLOCKWISE TO DIM INSTRUMENT PANEL LIGHTS.		
Other light switches	Locations and lamps controlled	TOGGLE SW. ON INST. PANEL - REAR SEAT LAMP & COURTESY LAMPS. FRONT DOOR SW. - COURTESY LAMPS & DOME OR REAR SEAT LAMP. TOE BOARD SW. - HEADLIGHT DIMMER. BRAKE MASTER CYLINDER SW. - STOP LIGHTS. SWITCH UNDER STEER. WHEEL HUB - TURN SIGNALS. PARKING BRAKE WARNING - ON PARK. BRAKE SHAFT. COMBINED BACK-UP LIGHTS & AUTO. TRANS. NEUTRAL SW.-ON STEER.COL.		
Other switches	Locations and devices controlled	CONV. TOP SW. - LOWER L.H. INST. PANEL. WINDOW REG. SW. - ON DOOR & QUARTER PANELS. SEAT ADJ. SW. - ON L.H. SEAT SIDE SHIELD O/D KICKDOWN SW. - UNDER ACCELERATOR PEDAL. HEATER BLOWER SW. - ON INST. PANEL. SWITCH UNDER STEER WH. HUB - HORNS.		
Windshield wiper	Make	TRICO		
	Type	VACUUM		
	Vacuum booster provision	ON FUEL PUMP		
	Washer provision	OPTIONAL		
Horn	Type	AIR-ELECTRIC		
	Number used	2		
	Amp draw (each)	10 MAX.		

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ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-4030.
Indicate accessories which are not standard equipment by an asterisk following the numbers.

Headlamp		2-5400
Headlamp beam indicator		1-57
Parking light		2-1034
Tail light		2-1034
Stop light		SEE TAIL LIGHT
Direction indicator	Front	SEE PARKING LIGHT
	Rear	SEE TAIL LIGHT
	Tell-Tale	2-57*
License plate light		1-67
Instrument light		3-57
Ignition lock light		1-57
Map light		2-89*
Dome light		1-1003
Clock light		1-57*
Radio dial light		1-57*
Glove compartment light		1-57*
Courtesy light		SEE MAP LIGHT
Trunk compartment light		1-89*
Other		HEATER CONTROLS 2-57*; HAND BRAKE WARNING 1-57*; AUTO. TRANS. QUANDRANT 1-53*; BACK-UP LIGHTS 2-1073*; ENGINE COMPT. 1-93*; AIR COND. CONTROL 1-57*; AUTO. HEAD. DIMMER PILOT 1-53*; MULTILUBER PILOT 1-57*; INST. WARN. LIGHT 1-57*; UTILITY LIGHT 1-4416*; COMPASS 1-57*; SPOTLIGHT 1-4405 or 4435*; ROAD LAMPS 2-4415 or 4415A*

ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

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

Headlamp	12 C.B. (a)
Headlamp beam indicator	SAME AS (a)
Parking light	12 C.B. (b)
Tail light	SAME AS (b)
Stop light	SAME AS (b)
Direction indicator	SFE 7.5
License plate light	SAME AS (b)
Instrument light	SAME AS (b)
Ignition light	SAME AS (b)
Map light	SFE 7.5 (c)
Dome light	SAME AS (c)
Clock	ELECTRIC WIND 1AG-1; MOTOCHRON - NOT FUSED
Clock light	SAME AS (b)
Radio	SFE 7.5
Glove compartment light	SAME AS (c)
Courtesy light	SAME AS (c)
Trunk compartment light	SAME AS (b)
Other	CONV. TOP 30 C.B.; POWER SEAT & WINDOWS AS FOLLOWS: 30 C.B. (LINE PROTECTOR), 15 C.B. (EACH WINDOW MOTOR), 15 C.B. (COMMON TO BOTH SEAT MOTORS); AIR COND. 20 C.B.; HEATER SFE 14; CIGAR LIGHTER - THERMAL FUSE PLUS AGC-15; OVERDRIVE AGC-15; W/S WASHER SFE 7.5

BACK-UP LIGHTS SFE 7.5; SPOTLIGHT SFE 7.5; MULTILUBER SFE 7.5
AUTO. HEADLAMP DIMMER AGC-3

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MODEL			CUSTOM	MONTEREY	MONTCLAIR
DRIVE UNITS—CLUTCH (PEDAL OPERATED)					
Make				BORG & BECK	
Type (dry or wet plate)				DRY	
In combination with fluid coupling (yes, no)				NO	
Semi-centrifugal (yes, no)				NO	
Type pressure plate springs				COIL	
Total plate pressure (lb.)				1757 (ZERO SPEED)	
No. of clutch driven discs				ONE	
Clutch facing	**Material**			WOVEN ASBESTOS	
	Inside diameter			6.5	
	Outside diameter			10.25	
	Total eff. area (sq. in.)			98.6	
	Thickness			.125	
	Number required			TWO	
	Engagement cushioning method			BORGLITE DISC WITH SPRING VIBRATION DAMPER	
	Release bearing	**Type**		BALL THRUST	
		Method of lubrication		PREPACKED	
	Torsional damping	**Method (springs, other)**		SPRINGS	
		Frict. mat.		STEEL	
DRIVE UNITS—TRANSMISSIONS					
Conventional (std. or opt.)				STANDARD	
Conventional with overdrive (std. or opt.)				OPTIONAL	
Automatic (std. or opt.)				OPTIONAL	
DRIVE UNITS—CONVENTIONAL TRANSMISSION					
Number of forward speeds				THREE	
Transmission ratios	**In first**			2.49:1	
	In second			1.59:1	
	In third			1.00:1	
	In fourth				
	In reverse			3.15:1	
Constant mesh gears in 2nd (yes, no)				YES	
Spur gear used in (indicate speeds)				NONE	
Helical gears used in (indicate speeds)				ALL	
Synchronous meshing in 2nd and 3rd gears (yes, no)				YES	

*Revised October 10, 1955

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DRIVE UNITS—CONVENTIONAL TRANSMISSION (cont.)					
Lubricant	Capacity (pt.)		3.25		
	Type recommended		MILD EXTREME PRESSURE		
	SAE viscosity number	Summer	80		
		Winter	80		
		Extreme cold	80		
DRIVE UNITS—CONVENTIONAL TRANSMISSION WITH OVERDRIVE					
For transmission data see conventional transmission section					
Overdrive	Type (planetary or other)		PLANETARY		
	If planetary, No. of pinions		4		
	Manual lockout (yes, no)		YES		
	Downshift accelerator control (yes, no)		YES		
	Minimum cut-in speed		28 M.P.H.		
	Gear ratio		.72:1		
	Lubricant: Capacity (O.D. only)		1.25 PINTS		
	Lubricant: Separate filter (yes, no)		NO		
	Lubricant: Type recommended		MILD EXTREME PRESSURE		
	Lubricant: SAE viscosity number	Summer	80		
		Winter	80		
		Ext. cold	80		
DRIVE UNITS—AUTOMATIC TRANSMISSION					
Trade name			MERCOMATIC		
Type (fluid coupling with gears, torque convertor with gears, other)			TORQUE CONVERTOR WITH PLANETARY GEARS		
Manual selector positions, left to right (show symbols and define, e.g., N- Neutral)			P PARK	R REVERSE	N NEUTRAL	DR DRIVE	LO LOW RANGE
List gear ratios in each drive position (range)			DRIVE 1.47 OR 1.00:1 - PLUS TORQUE CONVERTOR* LOW 2.40:1 - PLUS TORQUE CONVERTOR REVERSE 2.00:1 - PLUS TORQUE CONVERTOR *2.40:1 AT FULL THROTTLE THRU DETENT - PLUS TORQUE CONVERTOR		
Shifting within drive position range by accelerator control and speed limiting governor (yes, no)			YES		
By governor—forced shift (yes, no)			YES		
Downshift of gears in high range possible up to (mph)			UP TO 69 M.P.H.		

*Revised October 10, 1955

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MODEL			CUSTOM	MONTEREY	MONTCLAIR
DRIVE UNITS—AUTOMATIC TRANSMISSION (cont.)					
Torque convertor	Number of elements		3		
	Max. ratio at stall at engine rpm		2.1:1 @ 1590-1790 FOR 8.4 COMP. RATIO ENGINE 2.1:1 @ 1610-1810 FOR 9.0 COMP. RATIO ENGINE		
	Mechanical lockup	Provided (yes, no)	NO		
		Speed range	---		
		Releases at (speed range, mph)	---		
	Type of cooling (forced air, oil cooler and type, other)		FORCED AIR		
	Anti-creep device (yes, no)		NO		
Lubricant	Capacity—refill (pt.)		21.0		
	Type recommended		AUTOMATIC TRANSMISSION FLUID		
	Grade	Summer	TYPE A		
		Winter			
		Extreme cold			
DRIVE UNITS—PROPELLER SHAFT					
Number used			ONE		
Type (exposed, torque tube)			EXPOSED		
Outer diameter x length* x wall thickness	Conventional trans.		2.75 x 52.70 x .065		
	Overdrive trans.		SAME		
	Automatic trans.		SAME		
Intermediate bearing	Type (plain, anti-friction)		NONE		
	Lubri. (fitting, prepack)		---		
Universal joints	Make		SPICER		
	Number used		TWO		
	Type (ball and trunnion, cross, other)		CROSS - SLIP JOINT IN FRONT AND SPLIT JOINT IN REAR		
	Bearing	Type (plain, anti-friction)	NEEDLE ROLLER		
		Lubric. (fitting, prepack)	PRESSURE FITTING		
Drive taken through (torque tube or arms, spring)			REAR SPRINGS		
Torque taken through (torque tube or arms, springs)			REAR SPRINGS		

*Centerline to centerline of joints or centerline of rear attachment point.

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MODEL			CUSTOM	MONTEREY	MONTCLAIR
DRIVE UNITS—REAR AXLE					
Type (semi-floating, other)				SEMI-FLOATING	
Gear type (hypoid, other)				HYPOID	
Gear ratio and No. of teeth	Conventional trans.			3.73:1 STD. - 4.09 OPT.	
	Overdrive trans.			4.09:1 STD. - 3.73 OPT.	
	Automatic trans.			3.15:1 STD. - 3.54 OPT.	
Pinion adjustment (shim, other)				SHIMS	
Pinion bearing adj. (shim, other)				SHIMS	
Lubricant	Capacity (pt.)			3.50	
	Type recommended			MULTI-PURPOSE OR HYPOID E.P.	
	SAE viscosity number	Summer		90	
		Winter		90	
		Extreme cold		80	
DRIVE UNITS—WHEELS					
Type (disc, other)				DISC	
Rim (size and flange type)				15 x 5.5K	
Attachment	Type (bolt or stud)			STUD	
	Circle diameter			5.0	
	Number and size			5 R.H. - 1/2 - 20	
DRIVE UNITS—TIRES					
Size and ply rating	Standard			7.10 x 15 - 4 PLY TUBELESS	
	Optional			7.10 x 15 - 6 PLY TUBELESS	
Rev/mile at 30 mph				736 (AVERAGE)	
Inflation press. (cold)	Front			26	
	Rear			22	
BRAKES—SERVICE					
Type				HYDRAULIC, INTERNAL EXPANDING	
Booster type				OPTIONAL	
Effective area (sq. in.)				190.9	
Percent brake effectiveness—rear				38%	
Drum	Diameter	Front		11	
		Rear		11	
	Type and material			COMPOSITE - PRESSED STEEL DISC & CAST IRON DRUM	

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MODEL	CUSTOM	MONTEREY	MONTCLAIR

BRAKES—SERVICE (cont.)

Brake lining	Bonded or riveted			RIVETED
	Primary	Material		MOLDED ASBESTOS
		Size (length x width x thickness)	Front wheel	9.28 x 2.5 x .187
			Rear wheel	9.28 x 2.0 x .187
		Segments per shoe		ONE
	Secondary	Material		MOLDED ASBESTOS
		Size (length width x thickness)	Front wheel	11.93 x 2.5 x .187
			Rear wheel	11.93 x 2.0 x .187
		Segments per shoe		ONE
Wheel cylinder bore	Front			1.125
	Rear			.875
Master cylinder bore				1.00
Available pedal travel				6.50
Line pressure at 100 lb. pedal load				740 PSI
Shoe clearance adjustment				.010

BRAKES—PARKING

Type of control		T-PULL HANDLE - TWIST RELEASE
Location of control		UNDER DASH - L.H. SIDE
Operates on		REAR BRAKES
If separate from service brakes	Type (internal or external)	NONE
	Drum diameter	---
	Lining size (length x width x thickness)	----

FRAME

Type and description	LADDER TYPE WITH BOX SECTION SIDE RAILS, AND 5 CROSSMEMBERS

FRONT SUSPENSION

Type and description	INDEPENDENT COIL SPRING SYSTEM INCORPORATING TWO TRANSVERSE CONTROL ARMS WITH RUBBER INNER BEARING AND BALL JOINT OUTER BEARINGS, WHEEL SPRINDLE ATTACHED DIRECTLY TO BALL JOINTS.

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MODEL	CUSTOM	MONTEREY	MONTCLAIR

FRONT SUSPENSION (cont.)

	Type	COIL
	Material	S.A.E. 9260 - 5160
Spring	Size (length x width x No. leaves or coil I.D.)	15.66 x 4.03 I.D. x .678 DIAM. BAR.
	Spring rate (lb. per in.)	360
	Rate at wheel (lb. per in.)	105 (LESS TIRES)
	Normal load (lb. @ rated length)	2150# @ 9.56
Shock absorbers	Manufacturer	FOMOCO OR GABRIEL
	Type (direct or lever)	DIRECT
	Piston diameter	1.0 FOMOCO & 1.18 GABRIEL
Stabilizer	Type (link, linkless, frameless)	LINK
	Material	S.A.E.-1090 or 1045

STEERING

Type used (Standard or optional)		Mechanical		STD.
		Power		OPTIONAL
Wheel diameter				18
Turning diameter	Outside front	Wall to wall (r. & l.)		45.90
		Curb to curb (r. & l.)		43.19
	Inside rear	Wall to wall (r. & l.)		N.A.
		Curb to curb (r. & l.)		26.29
Inside wheel angle with outside wheel at 20°				24° 9'
Mechanical	Gear	Type		WORM AND TWO TOOTH ROLLER WITH NEEDLE BEARING
		Make		FORD
		Ratios	Gear	20.1 - 1
			Overall	25.4 - 1
	No. wheel turns			5.0 APPROX. LOCK TO LOCK
Power	Type			LINKAGE BOOSTER
	Make			BENDIX
	Trade name			---
	Gear	Type		STD. - MANUAL
		Ratios	Gear	20.1 - 1
			Overall	25.4 - 1
	Pump driven by			BELT FROM CRANKSHAFT
	Overall torque ratio			---
	Number wheel turns			5.0 APPROX. LOCK TO LOCK
Linkage	Type			PARALLELOGRAM
	Location (front or rear of wheels)			REAR OF WHEELS
	Drag link (trans. or long) Tie rods (one or two)			TRANSVERSE TWO

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MODEL			CUSTOM	MONTEREY	MONTCLAIR
STEERING (cont.)					
Kingpin	Inclination at camber (deg.)		7° 0', WITH 45' CAMBER		
	Diameter		----		
	Bearings (type)	Upper	BALL JOINT		
		Lower	BALL JOINT		
		Thrust	BALL THRUST BUILT INTO LOWER BALL JOINT		
Wheel alignment (range and preferred)	Caster (deg.)		0 to - 1-1/2° NOT TO VARY MORE THAN 1/2° ONE SIDE TO OTHER		
	Camber (deg.)		0 to +3/4° NOT TO VARY MORE THAN 1/4° ONE SIDE TO OTHER		
	Toe-in (outside tread-inches)		3/32 to 5/32		
Steering knuckle type					
Wheel spindle	Diameter	Inner bearing	1.2493 - 1.2498		
		Outer bearing	0.7493 - 0.7498		
	Thread size		3/4 - 16		
	Bearing type		TAPERED ROLLER		
REAR SUSPENSION					
Type			LONGITUDINAL LEAF SPRINGS		
Drive and torq. taken through (see page 14)			SEMI-ELLIPTIC LEAF		
Spring	Type		S.A.E. - 5147 - 5160		
	Material		53.00 x 2.00 x 6		
	Size (length x width x No. leaves or coil I.D.)		(DESIGN LOAD X LB./IN.RATE) 105		
	Spring rate (lb. per in.)				
	Rate at wheel (lb. per in.)		860		
	Normal load (lb. at rated length)		RUBBER BUSHED SHACKLES		
	Mounting insulation type		6		
	If leaf	No. of leaves	NO		
		Covers (yes, no)	YES		
		Lubricated (yes, no)	3 BETWEEN 4 TOP LEAVES		
		Inserts: Type and size	WAX IMPREGNATED PAPER		
		Inserts: Material	TENSION		
		Shackle (comp. or tens.)			
Shock absorbers	Manufacturer		FOMOCO OR GABRIEL		
	Type (direct or lever)		DIRECT		
	Piston diameter		1.00		
Stabilizer	Type (link, linkless, frameless)		NONE		
	Material		---		
Track bar type			NONE		

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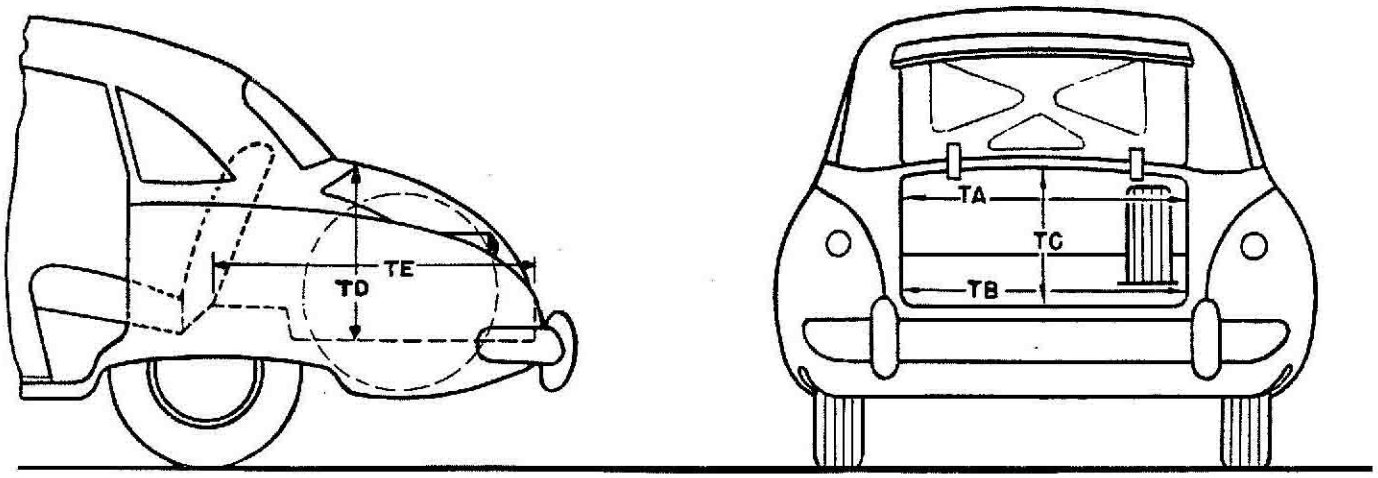
BODY—GENERAL DEFINITIONS

NOTE: Included in the dimension definitions listed on this and the following pages are those which have been proposed for adoption by the SAE. These are indicated by a number following the type of dimension, e.g., L 3. Additional dimensions have been added by the AMA Specifications Body Sub-Committee for inclusion in the Questionnaire. These are shown by an additional letter, e.g., HA. The dimensions are developed from the following basic points:

1. Front and rear seat "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
2. Front seat is in the rear position.
3. Loaded position—5 passengers, front 300 lb., rear 450 lb., includes spare wheel, tire and tools, and full complement of gas, oil, water, etc. and tires to recommended pressure, etc.
4. C. L. (centerline).
5. D. L. O. (daylight opening, exposed glass dimension).
6. Ramp breakover angle (page 20-A) is the supplement of the included ramp angle (180° minus the included ramp angle) over which a car can pass without hanging up.

MODEL	CUSTOM & MONTEREY	MONTCLAIR

BODY—TRUNK OPENING DIMENSIONS



TA—Width across the top	55.4	55.4
TB—Width across the bottom	48.3	48.3
TC—Diagonal dimension at CL from top of opening to bottom	34.5	34.5
TD—Vertical height of opening (floor to top, inside edge of opening)	22.3	22.3
TE-Max. horizontal depth (forward from vertical projection of inside edge of opening)	53.4	53.5
Position of spare tire stowage	R.H. SIDE ON ANGLE	R.H. SIDE ON ANGLE
Method of holding lid open	SPRING COUNTER BALANCE	SPRING COUNTER BALANCE

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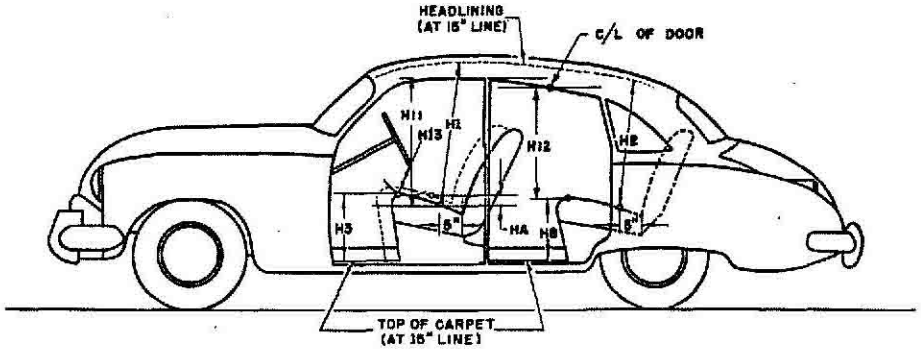
MAKE OF CAR MERCURY **MODEL YEAR** 1956

MODEL	CUSTOM & MONTEREY	MONTCLAIR

BODY—HEIGHT DIMENSIONS—INTERIOR



H1. Front headroom—from "A" pt. to headlining at 8° back of vertical on 15" line. (For "A" pt. see note 1, page 19)	35.2	33.8
H2. Rear headroom—from "A" pt. to headlining at 8° back of vertical on 15" line.	33.9	32.5
H3. Front seat height to floor carpet on 15" line (front edge of cushion).	12.0	11.5
H8. Rear seat height to floor carpet on 15" line (front edge of cushion).	13.1	13.1
H11. Entrance—front—cushion "A" point to bottom windcord vertical.	29.6	27.7
H12. Entrance—rear—top of cushion to bottom windcord vertical at C/L of rear door.	26.2	23.6
H13. Steering wheel clearance to seat cushion taken on arc.	5.5	5.5
HA. Front seat vertical rise at "A" pt. (inches.)	.4	.4

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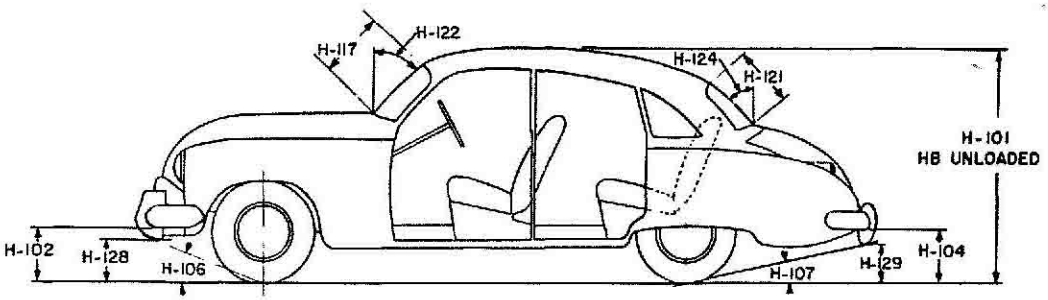
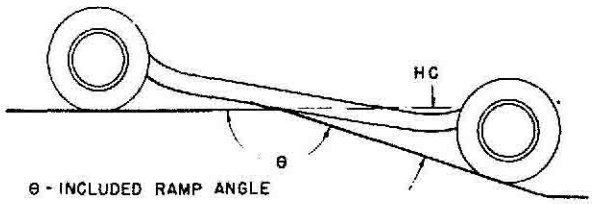
MODEL	CUSTOM & MONTEREY	MONTCLAIR

BODY—HEIGHT DIMENSIONS—EXTERIOR





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

H101. Overall height.	60.6	58.8
HB. Overall height—unloaded.	62.4	60.5
H102. Front bumper bottom to ground at normal section.	11.7	11.7
H104. Rear bumper bottom to ground at normal section.	11.6	11.6
H106. Angle of approach—from the tire rolling radius to lowest point on front bumper or guard.	22°10'	22°10'
H107. Angle of departure—from the tire rolling radius to lowest point on rear bumper or guard.	12° 11°51'	11°51'
HC. Ramp breakover angle.*	13°25'	13°25'
H117. Windshield DLO-slant height.	16.7	15.3
H121. Backlight DLO*—Max., slant height.	16.3	17.7
H122. Windshield slope angle to vertical line on car axis.	44°	44°
H124. Backlight slope angle to vertical line on car axis.	47°30'	56°
H128. Ground to bottom of front bumper guard.	--	--
H129. Ground to bottom of rear bumper guard.	11.7	11.7
HD. Min. road clearance (location and dimension).	6.6 AT FRAME SIDE RAIL	6.6 AT FRAME SIDE RAIL
HE. Min. road clearance at rear axle.	7.7	8.0

*See Notes, page 19.

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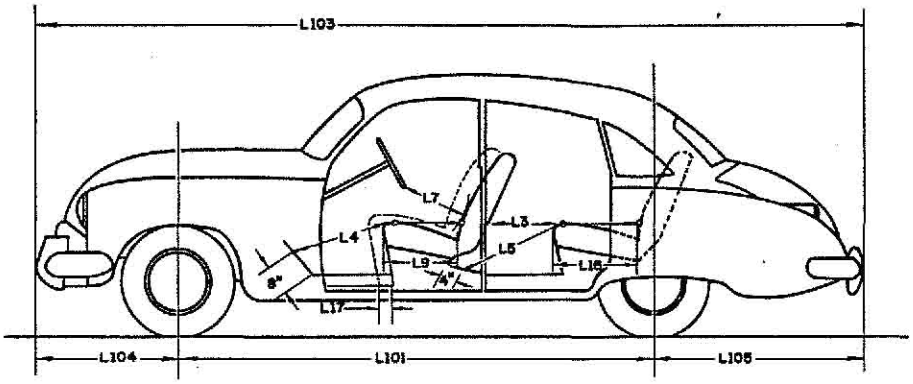
MODEL	CUSTOM & MONTEREY	MONTCLAIR

BODY—LENGTH DIMENSIONS



Interior	**L3.** Rear compartment back of front seat back to rear seat back.	31.6	29.2
	L4. Leg room—front—diagonal—ball of foot to top of seat to front seat back—15" line.	43.8	43.7
	L5. Leg room—rear—diagonal—from ball of foot to top of rear seat cushion and to seat back.	42.8	40.6
	L7. Steering wheel clearance to seat back taken on arc.	13.9	13.7
	L9. Front seat depth (front edge to vert. tan. to seat back on 15" line).	18.2	18.2
	L16. Depth of rear seat (front edge to seat back).	18.5	18.8
	L17. Total adjustment of front seat at floor.	4.9	4.9
Exterior	**L101.** Wheel base.	119.0	119.0
	L103. Overall length (bumper to bumper inc. guards).	206.4	206.4
	L104. Overhang—front including bumper guards.	34.4	34.4
	L105. Overhang—rear including bumper guards.	53.0	53.0

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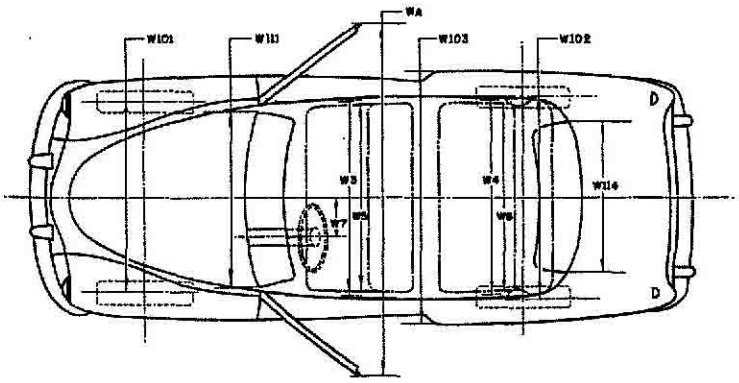
MODEL	CUSTOM & MONTEREY	MONTCLAIR

BODY—WIDTH DIMENSIONS



Interior	**W3.** Front shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	57.0	57.4
	W4. Rear shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	56.8	57.5
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back.	60.6	60.6
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back.	60.3	60.5
	W7. Steering wheel center to center of body.	15.0	15.0
Exterior	**W101.** Front tread at ground.	58.0	58.0
	W102. Rear tread at ground.	59.0	59.0
	W103. Max. overall width of car including bumpers or mouldings.	76.4	76.4
	WA. Max. overall width of car with doors open.	148.9	148.9
	W111. Windshield DLO, max. width.	59.5	59.5
	W114. Back window DLO, max. width.	59.2	57.0

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MODEL	CUSTOM & MONTEREY	MONTCLAIR

BODY—MISCELLANEOUS INFORMATION

Doors hinged (front, rear)	Front		FRONT
	Rear		FRONT
Type of finish (lacquer, enamel)			ENAMEL
Hood opening (front, side; semi-full, full, half)			FRONT - FULL
Hood counterbalanced (yes, no)			YES
Hood release control (internal, external)			EXTERNAL
Vent window control method (crank, friction, pivot).			FRICTION
Windshield (one piece, two piece; curved, flat)			ONE PIECE - CURVED
Rear window type (one piece, two piece, three piece; curved, flat)			ONE PIECE - CURVED
Windshield glass area		1098.1	999.2
Backlight glass area		1030.0	995.4
Total glass area		3324.0	3195.0

BODY—TYPES AND STYLE NAMES

Body type, number of passengers, and style names (use letter code shown below followed by passenger capacity and style name e.g., N-6 Ranchwagon)	CUSTOM	MONTEREY	MONTCLAIR
	D-6	G-6	G-6
	D-6 MEDALIST	G-6	J-6
	G-6	J-6	L-6
	J-6	P-8	
	P-8		

Body type code

A—Coupe—2 door flatback
B—Coupe—2 door notchback
C—Sedan—2 door flatback
D—Sedan—2 door notchback
E—Sedan—4 door flatback (4 windows)
F—Sedan—4 door flatback (6 windows)
G—Sedan—4 door notchback (4 windows)
H—Sedan—4 door notchback (6 windows)
J—Hardtop—2 door
K—Hardtop—4 door
L—Convertible—2 door
M—Convertible—4 door
N—Station wagon—2 door
P—Station wagon—4 door
Q—Combined passenger and utility—2 door
R—Combined passenger and utility—4 door
S—Sedan delivery
T—Limousine

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