AUTOMOBILE MANUFACTURERS ASSOCIATION
CONSOLIDATED SPECIFICATION QUESTIONNAIRE

MAKE OF CAR:	MERCURY	**MODEL NAME**	**SYMBOL**
COMPANY:	FORD MOTOR COMPANY LINCOLN-MERCURY DIVISION	CUSTOM MONTEREY MONTCLAIR	
MODEL YEAR:	1955	**DATE** DECEMBER 6, 1954	

REVISED: JANUARY 10, 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)	205.5		205.5
	Width (W-103)	76.4		76.4
	Height (H-101)	61.2		58.8
Steering ratio—overall			25.4	
Turning diameter (curb to curb)			42.4	
Shipping weight*		3473	3530	- - -
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		3.75 X 3.30	
	Piston displacement, cu. in.		292	
	Standard compression ratio	7.6 TO 1		8.5 TO 1
	Maximum bhp at engine rpm	188 @ 4400		198 @ 4400
	Maximum torque at rpm	274 @ 2500		286 @ 2500

*Standard car weight, not including gas and water.

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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			3.7500 - 3.7524 X 3.30		
Piston displacement, cu. in.			292		
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		7.6 TO 1		8.5 TO 1
	Optional Head		- - -		- - -
Cylinders	Head Material	Standard	CAST IRON		
		Optional	- - -		
	Sleeve—Wet, dry, other, none		NONE		
Number of mounting points		Front	2		
		Rear	1		
Taxable horsepower	(Dia.^{2} x No. Cyl.) / 2.5		45.00		
Advertised max. brake horsepower at engine RPM*	Standard head		188 @ 4400		198 @ 4400
	Optional head		- - -		- - -
	With fuel (Octane and method)	Standard Head	87 RESEARCH		92 RESEARCH
		Optional Head	- - -		- - -
Max. torque (lb. ft. @ RPM)	Standard head		274 @ 2500		286 @ 2500
	Optional head		- - -		- - -
Recommended idle speed (neutral)			475-500 STD. TRANS.; 425-450 AUTO. TRANS. (DRIVE POSITION)		

ENGINE—PISTONS

Material			ALUMINUM ALLOY		
Description and finish			AUTOTHERMIC, SOLID SKIRT, CAM-GROUND FLAT HEAD, TIN-PLATED		
Weight (piston only) oz.			8 GRADES 19.50 - 19.63		
Clearance	Top land		.0230 - .0280		
	Skirt	Top	.0010 - .0024		
		Bottom	.0006 - .0012		
Ring groove depth	No. 1 ring		.0285 - .2147		
	No. 2 ring		.2085 - .2147		
	No. 3 ring		.2055 - .2117		
	No. 4 ring		NONE		

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

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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			UPPER - CHROME PLATED LOWER - PHOSPHATE COATED	
	Width			.0775 - .0780	
	Gap			.010 - .020	
	Maximum wall thickness			.187	
Oil	Material			STEEL SECTIONAL	
	Coating			CHROME PLATED	
	Width			.1860 - .1865	
	Gap			.015 - .055	
	Maximum wall thickness			.171	
Location of expanders				IN OIL RING ASSEMBLY	
ENGINE—PISTON PINS					
Material				ALLOY STEEL, HEAT TREATED	
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	
ENGINE—CONNECTING RODS					
Material				FORGED STEEL	
Weight (oz.)				23.92 - 24.20 (LESS BRG.)	
Length (center to center)				6.320 - 6.324	
Bearing	Material			STEEL-BACKED COPPER-LEAD	
	Type (cast-in or removable)			REPLACEABLE INSERTS	
	Effective length			.711	
	Clearance			.0005 - .0021 (SELECTIVE FIT)	
	End play			.006 - .016 (TWO RODS)	
ENGINE—CRANKSHAFT					
Material				PRECISION-MOLDED ALLOY IRON	
Weight (lb.)				50.59	

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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 INSERTS
	Clearance		.0005 - .0021 (SELECTIVE FIT)
	Journal dia. and bearing effective length	No. 1	2.4980 - 2.4988 X .728
		No. 2	2.4980 - 2.4988 X .728
		No. 3	2.4980 - 2.4988 X .662
		No. 4	2.4980 - 2.4988 X .728
		No. 5	2.4980 - 2.4988 X .728
		No. 6	- - -
		No. 7	- - -
	Direction offset from cyl. bore		NONE
Connecting rod crankpin journal diameter			2.1880 - 2.1888

ENGINE—CAMSHAFT

Material			CAST SPECIAL ALLOY IRON
Bearings	Material		STEEL-BACKED BABBITT
	Number		5
Type of drive	Gear or chain		CHAIN
	Crankshaft gear or sprocket material		STEEL, HEAT-TREATED
	Camshaft gear or sprocket material		CAST IRON
	Timing chain	Make	- - -
		No. of links	56
		Width	1.00 (NOMINAL)
		Pitch	.375

ENGINE—VALVE SYSTEM

Hydraulic lifters (yes, no)		NO
Special provision for valve rotation (intake, exhaust)		YES - INTAKE AND EXHAUST
Rocker ratio		1.43 TO 1
Operating tappet clearance (indicate hot or cold)	Intake	.019 HOT
	Exhaust	.019 HOT
Tappet clearance for timing	Intake	END OF RAMP USED FOR TIMING
	Exhaust	END OF RAMP USED FOR TIMING
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		.360		
	Outer spring press. and length	Valve closed (lb. @ in.)	54 - 62 @ 1.82		
		Valve open (lb. @ in.)	124 - 140 @ 1.50		
	Inner spring press. and length	Valve closed (lb. @ in.)	NONE		
		Valve open (lb. @ in.)	NONE		
Exhaust	Material		CAST 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		.360		
	Outer spring press. and length	Valve closed (lb. @ in.)	54 - 62 @ 1.82		
		Valve open (lb. @ in.)	124 - 140 @ 1.50		
	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 FROM DRAINBACK		
	Timing gear or chain		DIRECTED DRAINBACK		
	Cylinder walls		PRESSURE STREAM		

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ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	GEAR
Normal oil pressure (lb. @ rpm)	45-50 @ 2000
Oil pressure gage type (electric or mechanical)	ELECTRIC
Type oil intake (floating, stationary)	STATIONARY
Oil filter type (full flow, partial flow)	FULL FLOW (REPLACEABLE CARTRIDGE)
Capacity of crankcase, less filter—refill (qt.)	5
Oil grade recommended (SAE viscosity and temperature range)	IF ANTICIPATED TEMPERATURE WILL BE: NOT LOWER THAN +32°F. - SAE 20 OR 20W NOT LOWER THAN -10°F. - SAE 10 OR 10W LOWER THAN -10°F. - SAE 5W
Oil type recommended	REGULAR (LOW-DETERGENCY) - FOR AVG. SERVICE PREMIUM (MILD-DETERGENCY) - FOR SEVERE SERVICE

ENGINE—FUEL SYSTEM

			REGULAR	PREMIUM
Recommended fuel	Standard head			
	Optional head		- - -	- - -
Fuel Tank	Capacity (gals.)		18	
	Filler Location		CENTER REAR PANEL-CONCEALED BY LICENSE	
Fuel Filter	Type		LAMINATED FIBER	
	Location		FUEL PUMP SEDIMENT BOWL	
Fuel pump	Type (elec. or mech.)		MECHANICAL	
	Location		LOWER LEFT FRONT OF ENGINE	
	Pressure range		4 TO 5 PSI	
	Vacuum booster (std., optl., none)		STANDARD	
Carburetor	Make		- - -	
	Model number		- - -	
	Number used		1	
	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	- - -	

ENGINE—EXHAUST SYSTEM

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

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ENGINE—COOLING SYSTEM

MODEL			CUSTOM	MONTEREY	MONTCLAIR
Type (pressure system, atmospheric, other)			PRESSURE		
Radiator cap relief valve press.			12 - 15 P.S.I. ABOVE ATMOSPHERIC		
Circulation thermostat	Type (choke, bypass)		CHOKE - PELLET-OPERATED		
	Starts to open at		157 - 162°F STD. (177 - 182° OPT.)		
Water pump	Type (centrifugal, other)		CENTRIFUGAL		
	Number of pumps		ONE		
	Drive (V-belt, other)		SINGLE V-BELT		
	Bearing type		DOUBLE ROW, SEALED BALL, PRE-LUBRICATED		
By-pass recirculation type (internal, external)			EXTERNAL		
Radiator core type (cellular, tube and fin)			CORRUGATED FIN AND TUBE 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	2.0 X 11.75 (DEVELOPED)		
	Upper	Number and type (molded, straight)	ONE MOLDED		
		Inside diameter and length	1.5 X 11.9 (DEVELOPED)		
	By-pass	Number and type (molded, straight)	ONE STRAIGHT		
		Inside diameter and length	.578 - .640 X 3.18		
Drive belts	Fan	Number used	ONE (SEE NOTE A)		
		Angle of V	38°		
		Outside length	44.66 @ P.D.		
		Width	.50		
	Generator	Angle of V	- - -		
		Outside length	- - -		
		Width	- - -		
Fan	Number of blades and spacing		4-BENT TIP-UNEQUALLY SPACED		
	Diameter		18.25		
	Ratio—fan to crankshaft revolutions		.90 TO 1		
	Bearing type		SEE WATER PUMP BEARING		

A: POWER STEERING (OPT.)

ANGLE OF V	38°
OUTSIDE LENGTH	38.50" @ P.D.
WIDTH	.50

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MODEL			CUSTOM	MONTEREY	MONTCLAIR
ELECTRICAL—SUPPLY SYSTEM					
Battery	Make and Model			VARIOUS	
	Voltage Rtg. & Plates/cell			6 19	
	SAE Designation & Amp Hr. Rtg			100	
	Location			ENGINE COMPARTMENT, RIGHT FRONT	
	Terminal grounded			POSITIVE	
Generator	Make			FORD	
	Model			FBA-10000-E	
	Type			SHUNT	
	Ratio—Gen. to Cr/s rev.			2.00:1	
Regulator	Make			FORD OR AMERICAN BOSCH	
	Model			FAD-10505-A & C	
	Type			3 COIL	
	Cutout relay	Closing voltage @ generator rpm		6.0 - 6.6	
		Reverse current to open		0 - 8 AMPS.	
	Regulated	Voltage		7.4 - 7.8	
		Current		38 - 42 AMPS.	
	Min. Gen. rpm required			1750	
	Voltage test conditions	Temperature		70 - 80°F. AMBIENT TEMP	
		Load		10 AMPS	
		Other			
ELECTRICAL—STARTING SYSTEM					
Starting motor	Make			FORD	
	Model			FAC-11001-H	
	Rotation (drive end view)			CLOCKWISE	
	Engine cranking speed			110-130 RPM	
	Test conditions			70°F. SAE 30 OIL	
	Lock test	Amps		700 MAXIMUM	
		Volts		3.5	
		Torque (lb. ft.)		14 MINIMUM	
	No load test	Amps		70	
		Volts		6	
		RPM (min.)		5000 - 6000	
Motor control	Switch (solenoid, manual)			SOLENOID	
	Starting procedure			TURN IGNITION KEY TO RIGHT BEYOND "ON" POSITION	

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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
	Model		8BA-12029
	Amps	Engine stopped	5
		Engine idling	3
Distributor	Make		HOLLEY
	Model		FEC-12127-A
	Spark advance data (at distributor shaft)	Centr. advance start (rpm)	NONE
		Centr. advance max. deg. @ rpm	NONE
		Vacuum advance start (in. Hg.)	1° @ 300 RPM @ .19 IN. HG.
		Vac. adv. (max. deg. @ in. Hg.)	15.5° @ 2000 RPM @ 1.95 IN. HG.
	Breaker gap (in.)		.014 - .016
	Cam angle (deg.)		26° - 28.5°
	Breaker arm tension (oz.)		17 - 20
Timing	C/S deg. @ rpm		STD. & O.D. TRANS. 3° BTDC - AUTO. TRANS. 6° BTDC
	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 MM
	Tightening torque (lb. ft.)		20-30 LB. FT. - PROD. INST.; 15-20 LB. FT. SERVICE INST.
	Gap		.032" - .036"
Cable	Conductor type		STRANDED COPPER
	Insulation type		NEOPRENE SHEATH
	Spark plug protector		NEOPRENE CAP

ELECTRICAL—SUPPRESSION

Description	

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ELECTRICAL—INSTRUMENTS AND SWITCHES				
Speed-ometer	Make	KING SEELEY		
	Trip odometer (yes, no)	NO		
Charge indicator—type		AMMETER		
Temperature indicator—type		ELECTRIC		
Oil pressure indicator—type		ELECTRIC		
Fuel indicator—type		ELECTRIC		
Ignition switch	Identify positions in order and circuits controlled	TO LEFT - ACCESSORIES ON CENTER - ACCESSORIES AND ENGINE OFF TO RIGHT - ACCESSORIES AND ENGINE ON TO RIGHT BEYOND "ON" POSITION - START		
	Provision for illumination	LIGHTED WITH PARKING LIGHTS OR HEADLIGHTS ON		
	Location	LOWER RIGHT HAND CORNER OF INSTR. PANEL		
	Theft protection type			
Main lighting switch	Identify positions and lights controlled	PULL OUT - 1ST POSITION: PARKING, TAIL, LICENSE, AND INSTR. PANEL LIGHTS. 2ND POSITION: HEAD, TAIL, LICENSE, AND INSTR. PANEL LIGHTS ROTATE KNOB TO RIGHT TO DIM INSTRUMENT PANEL LIGHTS		
Other light switches	Locations and lamps controlled	TOGGLE SWITCH ON INSTRUMENT PANEL - DOME LAMP & COURTESY LAMPS FRONT DOOR SWITCHES - FRONT COURTESY LAMPS & DOME LAMP TOE BOARD SWITCH - HEAD LIGHT DIMMER BRAKE MASTER CYLINDER SWITCH - STOP LIGHTS TURN SIG. SWITCH IN STEERING COLUMN HUB PK. BRAKE WARNING - ON PK. BRAKE SHAFT		
Other switches	Locations and devices controlled	BACK UP LAMP SWITCH - STEERING COL.-(STD. SHIFT IN ENG. COMPT.)* AUTO. TRANS. NEUTRAL SWITCH-STEERING COL. (IN PASS. COMPT.) CONV. TOP CONT. SWITCH - LOWER L.H. INSTR. PANEL ELEC. WIND. SWITCH ON DOOR AND QTR. PANELS ELEC. SEAT SWITCH ON L.H. SEAT SIDE SHIELD OVERDRIVE KICKDOWN SWITCH - UNDER ACCELERATOR PEDAL		
Windshield wiper	Make	TRICO		
	Type	VACUUM		
	Vacuum booster provision	ON FUEL PUMP		
	Washer provision	OPTIONAL		
Horn	Type	AIR ELECTRIC		
	Number used	TWO		
	Amp draw (each)	17		

* AUTO. TRANS. IN PASS. COMPT.

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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.

ROADLAMP			2-4015* (CLEAR) OR 2-4015-A* (AMBER)	
SPOTLAMP			1-4535*	
Headlamp			2-4030	
Headlamp beam indicator			1 - 51	
Parking light			2 - 1154	
Tail light			2 - 1154	
Stop light			SEE TAIL LIGHT	
Direction indicator	Front		SEE PARKING LIGHT	
	Rear		SEE TAIL LIGHT	
	Tell-Tale		2 - 51*	
License plate light			1 - 63	
Instrument light			2 - 55	
Ignition lock light			1 - 55	
Map light			NONE	
Dome light			1 - 209 (ALL EXCEPT 60B - 64 & 76)	
Clock light			1 - 55*	
Radio dial light			1 - 44*	
Glove compartment light			1 - 55*	
Courtesy light		1 - 209 (SPECIAL CUSTOM & MONTEREY ONLY)		
Trunk compartment light			1 - 63*	
Other ENG. COMPT. LT.			1 - 87*	
PILLAR LTS.			2 - 209 (MODEL 60B ONLY)	
ROOF RAIL LTS.			NONE	
BACK UP LIGHTS			2 - 1129*	
HEATER CONTROL LTS.			2 - 55*	
TRANSMISSION INDICATOR LT.			1 - 51	

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).

CIGAR LIGHTER			30 AMP (THERMAL FUSE-SULPHUR DISC.)
Headlamp			20 C.B. (a)
Headlamp beam indicator			20 C.B. (a)
Parking light			20 C.B. (b)
Tail light			20 C.B. (b)
Stop light			20 C.B. (b)
Direction indicator			SFE-9*
License plate light			20 C.B. (b)
Instrument light			20 C.B. (b)
Ignition light			20 C.B. (b)
Map light			30 C.B.*
Dome light			SFE-9 (c)
Clock			AGA-2 OR AGA-3
Clock light			20 C.B. (b)
Radio			SFE-14*
Glove compartment light			SFE-9 (c)
Courtesy light			SFE-9 (c)
Trunk compartment light			20 C.B. (b)
Other HEATER			SFE-20*
OVERDRIVE			AGC-30*
CONV. TOP MOTOR			40 C.B.
ELECT. WINDOW ADJ.	40 C.B. IN FEED LINE TO MTRS., 20 AMP C.B. AT EACH WINDOW MOTOR*		30 C.B. IN FEED LINE TO SWITCHES
ELECT. SEAT ADJ.			20 C.B.*
SPOTLIGHT			SFE-14*

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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
	Release bearing — Method of lubrication		PREPACKED
	Torsional damping — Method (springs, other)		SPRINGS
	Torsional damping — 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
	In second	1.59
	In third	1.00
	In fourth	
	In reverse	3.15
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

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DRIVE UNITS—CONVENTIONAL TRANSMISSION (cont.)

Lubricant	Capacity (pt.)		3 1/2
	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 MPH
	Gear ratio			.72
	Lubricant	Capacity (O.D. only)		1.5 PINTS
		Separate filter (yes, no)		NO
		Type recommended		MILD EXTREME PRESSURE
		SAE viscosity number	Summer	80
			Winter	80
			Ext. cold	80

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	MER-O-MATIC
Type (fluid coupling with gears, torque convertor with gears, other)	TORQUE CONVERTER 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 TO 1 PLUS TORQUE CONVERTER LOW 2.40 TO 1 PLUS TORQUE CONVERTER REVERSE 2.00 TO 1 PLUS TORQUE CONVERTER *2.40 TO 1 AT FULL THROTTLE THRU DETENT - PLUS TORQUE CONVERTER
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)	69

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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 TO 1 @ 1550 - 1750
	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.)		20.5
	Type recommended		AUTOMATIC TRANSMISSION FLUID
	Grade	Summer	TYPE A
		Winter	TYPE A
		Extreme cold	TYPE A

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.		SMAE
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 STD. - 4.09 OPT.
	Overdrive trans.		4.09 STD. - 3.73 OPT.
	Automatic trans.		3.15 STD. - 3.54 OPT.
Pinion adjustment (shim, other)			SHIMS
Pinion bearing adj. (shim, other)			SHIMS
Lubricant	Capacity (pt.)		3.5
	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 5.5 K
Attachment	Type (bolt or stud)		STUD
	Circle diameter		5.0
	Number and size		5 R.H. X 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
Inflation press. (cold)	Front	26
	Rear	22

BRAKES—SERVICE

Type			HYDRAULIC, INTERNAL EXPANDING, DUO-SERVO, SINGLE ANCHOR
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 DISX. & CAST IRON DRUM

ALL AUTOMATIC AIR-CONDITIONED CARS USE 3.54:1 AXLE RATIO.

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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	9.23 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 CROSS MEMBERS.

FRONT SUSPENSION

Type and description	INDEPENDENT COIL SPRING SYSTEM INCORPORATING TWO TRANSVERSE CONTROL ARMS WITH RUBBER TYPE INNER BEARINGS AND BALL JOINTS OUTER BEARINGS. WHEEL SPINDLE ATTACHES DIRECTLY TO BALL JOINTS.

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MODEL			CUSTOM	MONTEREY	MONTCLAIR
FRONT SUSPENSION (cont.)					
	Type		COIL		
	Material		SAE 9260 OR 5160		
Spring	Size (length x width x No. leaves or coil I.D.)		15.66 X 4.03 I.D. X .678 DIA. BAR		
	Spring rate (lb. per in.)		360		
	Rate at wheel (lb. per in.)		107		
	Normal load (lb. @ rated length)		2150# @ 9.56		
Shock absorbers	Manufacturer		HOUDE		
	Type (direct or lever)		DIRECT		
	Piston diameter		1.00		
Stabilizer	Type (link, linkless, frameless)		LINK		
	Material		SAE 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.)	N/A		
		Curb to curb (r. & l.)	42.4 FT.		
	Inside rear	Wall to wall (r. & l.)	N/A		
		Curb to curb (r. & l.)	N/A		
Inside wheel angle with outside wheel at 20°			2409'		
Mechanical	Gear	Type	WORM AND TWO TOOTH ROLLER		
		Make	FORD		
		Ratios — Gear	20.1 - 1		
		Ratios — Overall	25.4 - 1		
	No. wheel turns		5.25 APPROX., LOCK TO LOCK		
Power	Type		LINKAGE BOOSTER		
	Make		BENDIX		
	Trade name		- - -		
	Gear — Type		STD. MANUAL		
	Gear — Ratios — Gear		20.1 - 1		
	Gear — Ratios — Overall		25.4 - 1		
	Pump driven by		BELT FROM CRANKSHAFT		
	Overall torque ratio		- - -		
	Number wheel turns		5.25 APPROX. LOCK TO LOCK		
Linkage	Type		PARALLELOGRAM		
	Location (front or rear of wheels)		REAR OF WHEELS		
	Drag link (trans. or long)		TRANSVERSE		
	Tie rods (one or two)		TWO		

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MODEL	CUSTOM	MONTEREY	MONTCLAIR

STEERING (cont.)

Kingpin	Inclination at camber (deg.)		7° @ 45'
	Diameter		- - -
	Bearings (type)	Upper	- - -
		Lower	- - -
		Thrust	- - -
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			BALL JOINTS
Wheel spindle	Diameter	Inner bearing	1.2493 - 1.2498
		Outer bearing	.7493 - .7498
	Thread size		3/4" - 16
	Bearing type		TAPERED ROLLER

REAR SUSPENSION

Type				LONGITUDINAL LEAF
Drive and torq. taken through (see page 14)				SPRINGS
Spring	Type			SEMI-ELLIPTIC LEAF
	Material			SAE 5147 OR 5160
	Size (length x width x No. leaves or coil I.D.)			53.00 X 2.00 X 6
	Spring rate (lb. per in.)			105
	Rate at wheel (lb. per in.)			105 WITH TIRES
	Normal load (lb. at rated length)			860
	Mounting insulation type			RUBBER BUSHED SHACKLES
	If leaf	No. of leaves		6
		Covers (yes, no)		NO
		Lubricated (yes, no)		YES
		Inserts	Type and size	FULL LENGTH BETWEEN 4 TOP LEAVES
			Material	WAX IMPREGNATED PAPER
		Shackle (comp. or tens.)		TENSION
Shock absorbers	Manufacturer			FORD OR HOUDE
	Type (direct or lever)			DIRECT
	Piston diameter			1.00
Stabilizer	Type (link, linkless, frameless)			NONE
	Material			- - -
Track bar type				NONE

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MAKE OF CAR MERCURY **MODEL YEAR** 1955

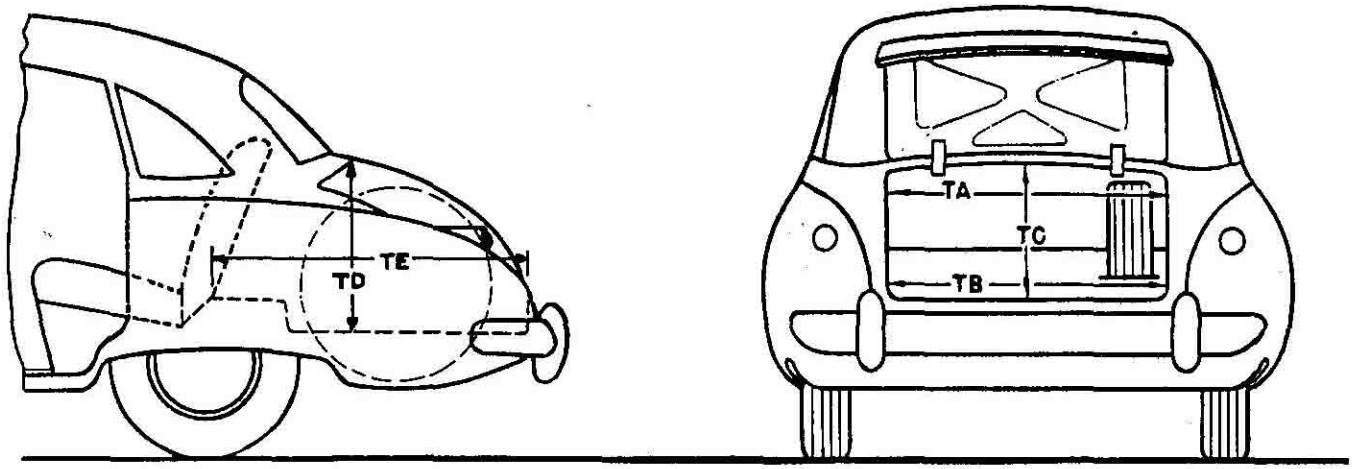
BODY—GENERAL DEFINITIONS

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
TB—Width across the bottom	48.3
TC—Diagonal dimension at CL from top of opening to bottom	34.5
TD—Vertical height of opening (floor to top, inside edge of opening)	22.3
TE-Max. horizontal depth (forward from vertical projection of inside edge of opening)	53.4
Position of spare tire stowage	RIGHT HAND SIDE ON ANGLE
Method of holding lid open	SPRING COUNTERBALANCE
WIDTH BETWEEN WHEEL HOUSINGS	42.8
WIDTH LUGGAGE COMPT. (MAX.)	72.0
HEIGHT OF REAR SILL ABOVE FLOOR	8.5

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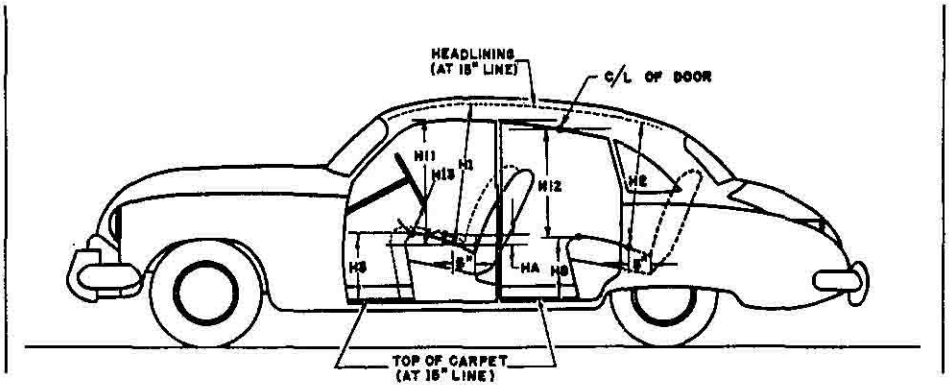
MAKE OF CAR MERCURY **MODEL YEAR** 1955

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)	35.4	33.5
H2. Rear headroom—from "A" pt. to headlining at 8° back of vertical on 15" line.	34.2	32.2
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.)	0.4	0.4

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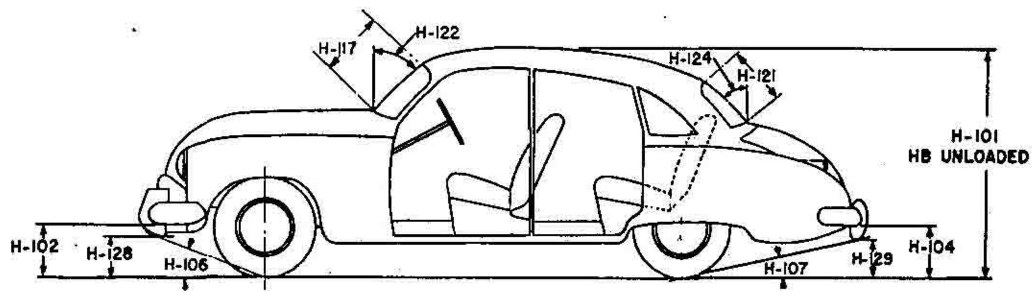
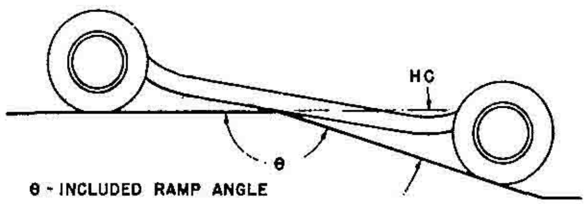
MODEL	CUSTOM	MONTEREY	MONTCLAIR

BODY—HEIGHT DIMENSIONS—EXTERIOR





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

	CUSTOM	MONTEREY	MONTCLAIR
H101. Overall height.		61.2	58.8
HB. Overall height—unloaded.		63.1	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.		14.5	14.5
H129. Ground to bottom of rear bumper guard.		11.7	11.7
HD. Min. road clearance (AT NO. 1 OUTRIGGER ON FRAME)		6.6	6.6
HE. Min. road clearance at rear axle. "U" BOLT.		7.7	7.7

*See Notes, page 19.

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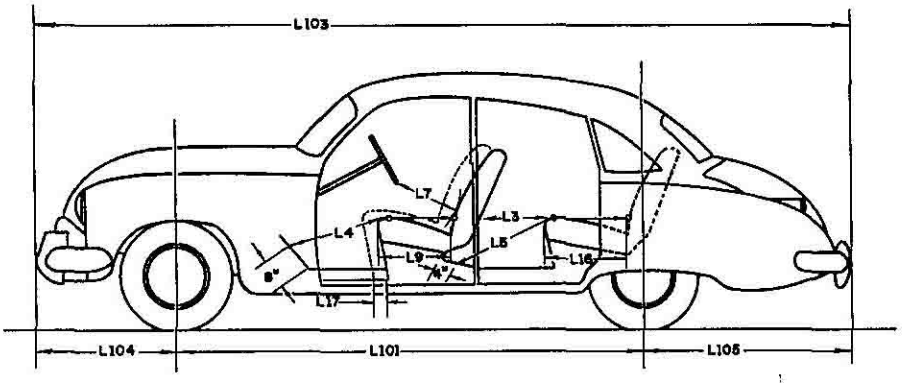
BODY—LENGTH DIMENSIONS



	MODEL	CUSTOM	MONTEREY	MONTCLAIR
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	43.6
	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).	206.3*	206.3*
	L104. Overhang—front including bumper guards.	34.3	34.3
	L105. Overhang—rear including bumper guards.	53.0	53.0

* INCLUDES ACCESSORY FRONT BUMPER GUARDS

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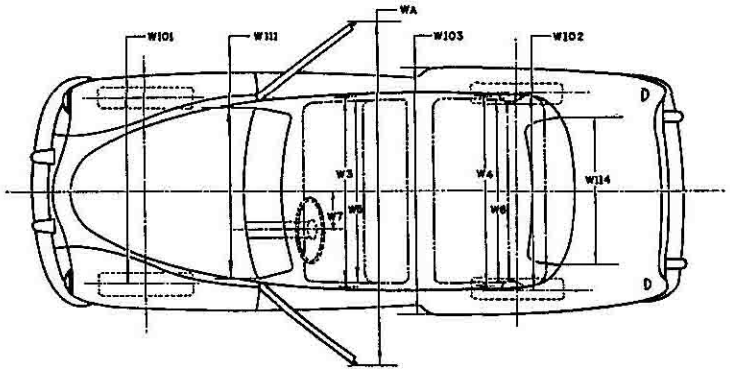
MODEL	CUSTOM	MONTEREY	MONTCLAIR

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 PIVOT		
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
	G-6	J-6	J-6
	J-6	P-8	J-6 (SUN VALLEY)
	P-8		L-6

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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