AUTOMOBILE MANUFACTURERS ASSOCIATION
CONSOLIDATED SPECIFICATION QUESTIONNAIRE

MAKE OF CAR: FORD	**MODEL NAME** CUSTOMLINE 6 CUSTOMLINE 8 **SYMBOL**
COMPANY: FORD DIVISION FORD MOTOR COMPANY	
MODEL YEAR: 1954 **DATE** JANUARY 5, 1954	

REVISED JANUARY 15, 1954
REVISED MARCH 3, 1954

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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		6	8
Wheelbase		115.5	
Tread	Front	58	
	Rear	56	
Maximum Overall Dimensions	Length (L-103)	198.3	
	Width (W-103)	74.2	
	Height (H-101)	62.3 LOADED	
Steering ratio—overall		25.4 TO 1	
Turning diameter (curb to curb)		41.18	41.18*
Shipping weight*		3174 @	3271 @
Transmission— (Specify standard, optional, not avail.)	Conventional	STD.	
	Overdrive	OPT.	
	Automatic	OPT.	
Axle ratio	Conventional	3.90 STD. - 4.10 OPT.	
	Overdrive	4.10 STD. - 3.90, 3.31 OPT.	
	Automatic	3.31 STD. - 3.54 OPT.	
Tire size		6.70 X 15 4 PLY	6.70 X 15 4 PLY
Engine	Type	IN LINE	V
	No. of cylinders	6	8
	Valve arrangement	OVERHEAD VALVE	OVERHEAD VALVE
	Bore and stroke	3.62 X 3.60	3.50 X 3.10
	Piston displacement, cu. in.	223	239
	Standard compression ratio	7.2 TO 1	7.2 TO 1
	Maximum bhp at engine rpm	115 @ 3900	130 @ 4200
	Maximum torque at rpm	193 @ 1000-2200	214 @ 1800-2200

*Standard car weight, not including gas and water.

*Revised January 15, 1954
@Revised March 5, 1954

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MODEL CUSTOMLINE

ENGINE—GENERAL

			6	8
Type	V, In-line, other		IN LINE	V
	Angle of V		--	90°
No. of cylinders			6	8
Valve arrangement			OVERHEAD	OVERHEAD
Bore and stroke			3.62 X 3.60	3.50 X 3.10
Piston displacement, cu. in.			223	239
Numbering system (front to rear)	L. Bank		1-2-3-4-5-6	5-6-7-8
	R. Bank			1-2-3-4
Firing order			1-5-3-6-2-4	1-5-4-8-6-3-7-2
Compression ratio	Standard Head		7.2 TO 1	7.2 TO 1
	Optional Head		NONE	NONE
Cylinders	Head Material	Standard	CAST IRON	CAST IRON
		Optional	NONE	NONE
	Sleeve—Wet, dry, other, none		NONE	NONE
Number of mounting points		Front	TWO, AT SIDE	TWO, AT SIDE
		Rear	ONE, AT TRANS. EXTENSION	ONE, AT TRANS. EXTENSION
Taxable horsepower	(Dia.² x No. Cyl.) / 2.5		31.50	39.20
Advertised max. brake horsepower at engine RPM*	Standard head		115 @ 3900	130 @ 4200
	Optional head		NONE	NONE
	With fuel (Octane and method)	Standard Head	78 (MOTOR)	79 (MOTOR)
		Optional Head	---	---
Max. torque (lb. ft. @ RPM)	Standard head		193 @ 1000-2200	214 @ 1800-2200
	Optional head		---	---
Recommended idle speed (neutral)			475 - 500 RPM	475 - 500 RPM

ENGINE—PISTONS

Material			ALUMINUM ALLOY	ALUMINUM ALLOY
Description and finish			AUTOTHERMIC, CLOSED TYPE CAM-GROUND, FLAT HEAD, TIN-PLATED	AUTOTHERMIC, CLOSED TYPE CAM-GROUND, FLAT HEAD, TIN-PLATED
Weight (piston only) oz.			19.22	17.78
Clearance	Top land		.0210-.0264	.0210-.0264
	Skirt	Top	.0010-.0024	.0010-.0024
		Bottom	.0004-.0012	.0004-.0012
Ring groove depth	No. 1 ring		.2015-.2077	.1950-.2012
	No. 2 ring		.2015-.2077	.1950-.2012
	No. 3 ring		.2015-.2077	.1950-.2012
	No. 4 ring		---	---

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

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ENGINE—RINGS				
Type (top to bottom)	No. 1 oil/or comp.		TAPER FACE	TAPER FACE
	No. 2 oil/or comp.		TAPER FACE	TAPER FACE
	No. 3 oil or comp.		WEDGE CHANNEL	WEDGE CHANNEL
	No. 4 oil or comp.		---	---
No. rings above piston pin			3	3
Compression	Material		CAST IRON	
	Coating		CADMIUM PLATE	
	Width		.0930-.0935	
	Gap		.010-.020	
	Maximum wall thickness		.181	.175
Oil	Material		CAST IRON	
	Coating		NONE	NONE
	Width		.1860-.1865	
	Gap		.010-.020	
	Maximum wall thickness		.128-.135	.138-.145
Location of expanders			UNDER OIL RING	
ENGINE—PISTON PINS				
Material			ALLOY STEEL	
Length			3.022-3.028	2.979-2.985
Diameter			.9120-.9123	.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	
	In rod		.0001-.0003	
Direction offset in piston			RIGHT	
ENGINE—CONNECTING RODS				
Material			FORGED STEEL	
Weight (oz.)			29.63 (LESS BRG.)	24.06 (LESS BRG.)
Length (center to center)			6.258-6.262	6.320-6.324
Bearing	Material		STEEL-BACKED BABBITT	COPPER-LEAD, STEEL BACKED
	Type (cast-in or removable)		REPLACEABLE INSERT	
	Effective length		1.004	.711
	Clearance		.0005 - .0021	.0007-.0025
	End play		.005-.007	.006-.016 (TWO RODS)
ENGINE—CRANKSHAFT				
Material			PRECISION-MOLDED ALLOY IRON	
Weight (lb.)			68.25	49.50

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ENGINE—CRANKSHAFT (cont.)

			6	8
Vibration damper type			RUBBER-FLOATED OR VISCOUS	NONE
End thrust taken by bearing (No.)			NO. 3 MAIN BEARING	CENTER MAIN BEARING
Crankshaft end play			.004-.008	.002-.006
Main bearing	Material		STEEL-BACKED BABBITT	
	Type (cast-in or removable)		REPLACEABLE INSERTS	
	Clearance		.0005-.0021 (SELECTIVE)	.0005-.0021 (SELECTIVE)
	Journal dia. and bearing effective length	No. 1	2.4980 X 1.070	2.4980 X .877
		No. 2	2.4980 X 1.070	2.4980 X .877
		No. 3	2.4980 X 1.074	2.4980 X .841
		No. 4	2.4980 X 1.295	2.4980 X .877
		No. 5	---	2.4980 X .877
		No. 6	---	---
		No. 7	---	---
	Direction offset from cyl. bore		RIGHT	RIGHT
Connecting rod crankpin journal diameter			2.2980-2.2988	2.1880-2.1888

ENGINE—CAMSHAFT

			6	8
Material			CAST ALLOY IRON	
Bearings	Material		STEEL-BACKED BABBITT, LINE BORED	
	Number		4	5
Type of drive	Gear or chain		CHAIN	CHAIN
	Crankshaft gear or sprocket material		CAST IRON	CAST IRON
	Camshaft gear or sprocket material		CAST IRON	CAST IRON
	Timing chain	Make	MORSE OR LINK-BELT	MORSE OR LINK-BELT
		No. of links	56	56
		Width	1.00	1.00
		Pitch	.375	.375

ENGINE—VALVE SYSTEM

		6	8
Hydraulic lifters (yes, no)		NO	NO
Special provision for valve rotation (intake, exhaust)		YES-BOTH VALVES	YES-BOTH VALVES
Rocker ratio		1.4237	1.4272
Operating ~~tappet~~ clearance (indicate hot or cold) at valve	Intake	.015 HOT	.019 HOT
	Exhaust	.019 HOT	.019 HOT
~~Ramp Height~~ ~~Tappet Clearance~~ for timing	Intake	.0127 OPENING AND CLOSING	.015 OPENING - .019 CLOSING
	Exhaust	.0161 OPENING AND CLOSING	.015 OPENING - .019 CLOSING
Timing marks on fly-wheel, damper, other		VIBRATION DAMPER	CRANK PULLEY

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ENGINE—VALVE SYSTEM (cont.)				
Timing at end of ramp	Intake	Opens (°BTC)	13	8
		Closes (°ABC)	68	44
	Exhaust	Opens (°BBC)	55	47
		Closes (°ATC)	22	5
Intake	Material		#1 SILCHROME	#1 SILCHROME
	Overall length (Gage)		5.02	5.02
	Actual overall head dia.		1.775-1.785	1.642-1.652
	Angle of seat		45°	45°
	Seat insert material		NONE	NONE
	Stem diameter		.3415-.3425	.341-.342
	Stem to guide clearance		.001-.002 (SELECTIVE)	.001-.002
	Lift		.329	.331
	Outer spring press. and length	Valve closed (lb. @ in.)	54 - 62 @ 1.821	54 - 62 @ 1.821
		Valve open (lb. @ in.)	124 - 140 @ 1.505	124 - 140 @ 1.505
	Inner spring press. and length	Valve closed (lb. @ in.)	---	---
		Valve open (lb. @ in.)	---	---
Exhaust	Material		NI. CHROME ALLOY	NI. CHROME ALLOY
	Overall length (Gage)		5.02	5.02
	Actual overall head dia.		1.505-1.515	1.505-1.515
	Angle of seat		45°	45°
	Seat insert material		NONE	NONE
	Stem diameter		.3405-.3415	.3405-.3415
	Stem to guide clearance		.001-.002 (SELECTIVE)	.001-.002
	Lift		.325	.331
	Outer spring press. and length	Valve closed (lb. @ in.)	54 - 62 @ 1.821	54 - 62 @ 1.821
		Valve open (lb. @ in.)	124 - 140 @ 1.505	124 - 140 @ 1.505
	Inner spring press. and length	Valve closed (lb. @ in.)	---	---
		Valve open (lb. @ in.)	---	---

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	PRESSURE	PRESSURE
	Connecting rods	PRESSURE	PRESSURE
	Piston pins	SPLASH	SPLASH
	Camshaft bearings	PRESSURE	PRESSURE
	Tappets	SPLASH AND DRAINBACK	SPLASH AND DRAINBACK
	Timing gear or chain	PRESSURE STREAM	DIRECTED DRAINBACK
	Cylinder walls	PRESSURE STREAM	PRESSURE STREAM

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ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	GEAR	
Normal oil pressure (lb. @ rpm)	45-55 @ 30-40	45-55 @ 30-40
Oil pressure gage type (electric or mechanical)	ELECTRIC	
Type oil intake (floating, stationary)	STATIONARY	
Oil filter type (full flow, partial flow)	FULL FLOW	FULL FLOW
Capacity of crankcase, less filter—refill (qt.)	4	5
Oil grade recommended (SAE viscosity and temperature range)	∮32°F AND ABOVE - SAE 20W ∮ 32°F TO -10°F - SAE 10 OR 10W BELOW -10°F - SAE 5W	
Oil type recommended	A.P.I. TYPE ML FOR AVERAGE DRIVING A.P.I. TYPE MS FOR SEVERE DRIVING	

ENGINE—FUEL SYSTEM

Recommended fuel	Standard head		REGULAR TYPE	
	Optional head		---	
Fuel Tank	Capacity (gals.)		17	
	Filler Location		CENTER REAR PANEL-CONCEALED BY LICENSE	
Fuel Filter	Type		LAMINATED PAPER	
	Location		FUEL PUMP SEDIMENT BOWL	
Fuel pump	Type (elec. or mech.)		MECHANICAL	
	Location		LOWER RIGHT CENTER OF ENGINE	LOWER LEFT FRONT OF ENGINE
	Pressure range PSI		4-5 @ 1800 (16" ABOVE PUMP OUTLET)	4-5 @ 1800 (2" ABOVE PUMP OUTLET)
	Vacuum booster (std., optl., none)		OPTIONAL	
Carburetor	Make		HOLLEY	HOLLEY - FORD
	Model number		1904-F	AA-1
	Number used		ONE	
	Type	Downdraft, side inlet, other	DOWNDRAFT, LOW SILHOUETTE	DOWNDRAFT
		Single or dual	SINGLE	DUAL
	Intake manifold heat control (manual, auto., none)		AUTOMATIC	AUTOMATIC
	Automatic choke type (integral, other)		NONE	
	Air cleaner type	Standard	DRY	
		Optional	OIL BATH	

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		SINGLE	SINGLE-WITH CROSSOVER
Muffler type (rev. flow, str. thru, sep.resonator)		REVERSE FLOW	
Exhaust pipe dia.	Branch		
	Main	2"	
Tail pipe diameter		2 INCHES	

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ENGINE—COOLING SYSTEM

			6	8
Type (pressure system, atmospheric, other)			PRESSURE	
Radiator cap relief valve press.			6.25 - 7.75 POUNDS	
Circulation thermostat	Type (choke, bypass)		CHOKE	
	Starts to open at		157°F-162°F STD. 177°F-182°F OPT.	
Water pump	Type (centrifugal, other)		CENTRIFUGAL	
	Number of pumps		ONE	ONE
	Drive (V-belt, other)		ONE V-BELT	ONE V-BELT
	Bearing type		DOUBLE ROW SEALED BALL-PRE-LUBRICATED	
By-pass recirculation type (internal, external)			INTERNAL	
Radiator core type (cellular, tube and fin)			CORRUGATED FIN & TUBE OR FLAT FIN & TUBE	
Cooling system capacity	With heater (qt.)		16	21
	Without heater (qt.)		15	20
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 "S"	ONE MOLDED "S"
		Inside diameter and length	1.50 X 17.2 (DEVELOPED)	1.50 X 10.6 (DEVELOPED)
	Upper	Number and type (molded, straight)	ONE MOLDED "L"	ONE MOLDED "L"
		Inside diameter and length	1.50 X 8.2 (DEVELOPED)	1.50 X 11.8 (DEVELOPED)
	By-pass	Number and type (molded, straight)	NONE	
		Inside diameter and length	---	
Drive belts	Fan	Number used	ONE	ONE
		Angle of V	38°	38°
		Outside length	37.02"	44.0"
		Width	.38"	.38"
	Generator	Angle of V	SAME AS FAN	SAME AS FAN
		Outside length	---	---
		Width	---	---
Fan	Number of blades and spacing		3-UNEQUALLY SPACED	
	Diameter		18"	18.50"
	Ratio—fan to crankshaft revolutions		.97	.97
	Bearing type		DOUBLE ROW SEALED BALL-PRE-LUBRICATED	

POWER STRG. (OPT.) HYD. PUMP

Drive Belt:		
Angle of V	36°	36°
Outside Length	38.4"	38.4"
Width	.38"	.38"

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ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		VARIOUS	
	Voltage Rtg. & Plates/cell		6 - 17	
	SAE Designation & Amp Hr. Rtg		90	
	Location		ENGINE COMPARTMENT, RIGHT FRONT	
	Terminal grounded		POSITIVE	
Generator	Make		FORD	
	Model		FAA-10000-A	FBC-10000-A
	Type		SHUNT	
	Ratio—Gen. to Cr/s rev.		2 TO 1	2.00:1
Regulator	Make		FORD OR AMERICAN BOSCH	
	Model		FAC-10505-A1 OR A2	
	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	34 - 36 AMPS	
	Min. Gen. rpm required		1850	
	Voltage test conditions	Temperature	70 TO 80°F AMBIENT TEMP	
		Load	10 AMPS.	
		Other		

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		FORD	
	Model		FAC-11001-B	
	Rotation (drive end view)		CLOCKWISE	
	Engine cranking speed		110-140 RPM	110-130 RPM
	Test conditions		70°F AMBIENT SAE 30 OIL	
	Lock test	Amps	700 MAXIMUM	
		Volts	3.5	
		Torque (lb. ft.)	16 MINIMUM	
	No load test	Amps	70 MAXIMUM	
		Volts	6	
		RPM (min.)	3000-6000	
Motor control	Switch (solenoid, manual)		SOLENOID	
	Starting procedure		TURN IGNITION KEY TO RIGHT BEYOND THE "IGNITION ON" POSITION.	

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ELECTRICAL—STARTING SYSTEM (cont.)

Motor drive	Engagement type (1)		BENDIX FOLO-THRU TYPE	BENDIX FOLO-THRU TYPE
	Pinion meshes (front, rear) (1)		FROM REAR	
	Number of teeth	Pinion (1)	9	9
		Flywheel (1)	146	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	FORD
	Model		FAA-12127-C	FAE-12127-A
	Spark advance data (at distributor shaft)	Centr. advance start (rpm)	NONE	
		Centr. advance max. deg. @ rpm	NONE	
		Vacuum advance start (in. Hg.)	1.25° @ .32"	.5° @ .28"
		Vac. adv. (max. deg. @ in. Hg.)	14.5° @ 7.15"	17.0° @ 5.55"
	Breaker gap (in.)		.024 - .026	.014 - .016
	Cam angle (deg.)		35° - 38°	26° - 28.5°
	Breaker arm tension (oz.)		17 - 20	
Timing	C/S deg. @ rpm		3° BTDC	6° BTDC
	Mark location		VIBRATION DAMPER	CRANKSHAFT PULLEY
	Cylinder numbering system (see page 2)		1-2-3-4-5-6	L. BANK 5-6-7-8 R. BANK 1-2-3-4
	Firing order (see page 2)		1-5-3-6-2-4	1-5-4-8-6-3-7-2
Spark plug	Make and model		CHAMPION H-10	
	Thread (mm)		14 MM	
	Tightening torque (lb. ft.)		25 - 30	
	Gap		.033 - .037	.033 - .037
Cable	Conductor type		STRANDED COPPER	STRANDED COPPER
	Insulation type		NEOPRENE SHEATH	NEOPRENE SHEATH
	Spark plug protector		NEOPRENE CAP	NEOPRENE CAP

ELECTRICAL—SUPPRESSION

Description	

(1) FORDOMATIC TRANSMISSION

Engagement type	-	BENDIX FOLO THRU
Pinion Meshes	-	FROM REAR
Number) Pinion	-	9
of Teeth) Flywheel	-	146

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ELECTRICAL—INSTRUMENTS AND SWITCHES

Speedometer	Make	KING SEELEY OR STEWART WARNER
	Trip odometer (yes, no)	NO
Charge indicator—type		LAMP
Temperature indicator—type		ELECTRIC
Oil pressure indicator—type		LAMP
Fuel indicator—type		ELECTRIC
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	LOWER LEFT OF INSTRUMENT PANEL
	Theft protection type	
Main lighting switch	Identify positions and lights controlled	PULL OUT-1ST POSITION: PARKING, TAIL, LICENSE PLATE, AND INSTRUMENT PANEL LIGHTS. 2ND POSITION: HEAD, TAIL, LICENSE PLATE, AND INSTRUMENT PANEL LIGHTS. ROTATE KNOB TO DIM INSTRUMENT PANEL LIGHTS
Other light switches	Locations and lamps controlled	MAINLINE-SLIDE SWITCH ON DOME LAMP CUSTOMLINE-SLIDE SWITCH ON DOME LAMP AND FRONT DOOR SWITCHES WHICH OPERATES DOME LAMP TOE BOARD SWITCH - HEAD LIGHT DIMMER BRAKE MASTER CYLINDER SWITCH - STOP LIGHTS
Other switches	Locations and devices controlled	AUTO TRANS. NEUTRAL SW. ON STEERING COL. START SW. INCL. IN IGN. SW. CONV. TOP CONTROL SW. LOWER L.H. INSTR. PANEL OVERDRIVE KICKDOWN SW. UNDER ACCELERATOR PEDAL
Windshield wiper	Make	TRICO
	Type	VACUUM
	Vacuum booster provision	OPTIONAL VACUUM BOOSTER & FUEL PUMP
	Washer provision	OPTIONAL
Horn	Type	AIR ELECTRIC
	Number used	2
	Amp draw (each)	16

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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 - 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		1 - 63*
Dome light		1-209
Clock light		1 - 55
Radio dial light		2 - 55* ALSO 2 - 44
Glove compartment light		1 - 55*
Courtesy light		1 - 63*
Trunk compartment light		1 - 81*
Other HEATER CONTROL		1 - 55*
INST. PANEL CONTROLS		1 - 55 (Illuminates windshield wiper control and exterior lt. switch)
INST. PANEL CONTROLS		1 - 55 (Illuminates choke control & cigar lighter)

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	30 C.B. (a)
Headlamp beam indicator	30 C.B. (a)
Parking light	15 C.B. (b)
Tail light	15 C.B. (b)
Stop light	15 C.B. (b)
Direction indicator	SFE-14*
License plate light	15 C.B. (b)
Instrument light	15 C.B. (b)
Ignition light	15 C.B. (b)
Map light	SFE-14 (c)
Dome light	SFE-14 (c)
Clock	SFE-2 OR SFE-3
Clock light	15 C.B. (b)
Radio	SFE-14*
Glove compartment light	SFE-14 (c)
Courtesy light	SFE-14 (c)
Trunk compartment light	15 C.B. (b)
Other HEATER	SFE-20*
OVERDRIVE	AGC-30*
CONV. TOP MOTOR	40 C.B.
CIGAR LIGHTER	30 AMP. (THERMAL FUSE-SULPHUR DISC)

*ACCESSORIES

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DRIVE UNITS—CLUTCH (PEDAL OPERATED)

Make			LONG	LONG
Type (dry or wet plate)			DRY	DRY
In combination with fluid coupling (yes, no)			NO	NO
Semi-centrifugal (yes, no)			YES	YES
Type pressure plate springs			COIL	COIL
Total plate pressure (lb.)			1230 (ZERO SPEED)	1071
No. of clutch driven discs			ONE	ONE
Clutch facing	Material		WOVEN ASBESTOS	WOVEN ASBESTOS
	Inside diameter		6.0"	6 3/4
	Outside diameter		9.5"	10
	Total eff. area (sq. in.)		85.2	85.52
	Thickness		0.125"	.125
	Number required		2	2
	Engagement cushioning method		TORBEND 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	2.779
	In second	1.614
	In third	1.000
	In fourth	----
	In reverse	3.635
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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MAKE OF CAR FORD MODEL YEAR 1954

MODEL CUSTOMLINE	6	8

DRIVE UNITS—CONVENTIONAL TRANSMISSION (cont.)

Lubricant	Capacity (pt.)		3
	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			3
	Manual lockout (yes, no)			YES
	Downshift accelerator control (yes, no)			YES
	Minimum cut-in speed			27 MPH
	Gear ratio			0.7
	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				FORDOMATIC	
Type (fluid coupling with gears, torque convertor with gears, other)				TORQUE CONVERTER WITH PLANETARY GEAR	
Manual selector positions, left to right (show symbols and define, e.g., N- Neutral)	P PARK	R REVERSE	N NEUTRAL	DR DRIVE	LO LOW
List gear ratios in each drive position (range)				DRIVE 1.48-1.00 PLUS TORQUE CONVERTE LOW 2.44 PLUS TORQUE CONVERTE REVERSE 2.00 PLUS TORQUE CONVERTE	
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)	62.0				59.0

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MODEL CUSTOMLINE			6	8
DRIVE UNITS—AUTOMATIC TRANSMISSION (cont.)				
Torque convertor	Number of elements		3	
	Max. ratio at stall at engine rpm		2.1 TO 1 @ 1350-1550	2.1 TO 1 @ 1400-1600
	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.)		19	
	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 53.06 X 0.065	
	Overdrive trans.		SAME	
	Automatic trans.		SAME	
Intermediate bearing	Type (plain, anti-friction)		NONE	
	Lubri. (fitting, prepack)		---	
Universal joints	Make		MECHANICS	
	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)	PREPACK	
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 CUSTOMLINE	6	8

DRIVE UNITS—REAR AXLE

Type (semi-floating, other)			SEMI-FLOATING	
Gear type (hypoid, other)			HYPOID	
Gear ratio and No. of teeth	Conventional trans.		3.90 STD. - 4.10 OPT.	
	Overdrive trans.		4.10 STD. 3.90, 3.31 OPT.	
	Automatic trans.		3.31 STD. - 3.54 OPT.	3.54 STD. - 3.31 OPT.
Pinion adjustment (shim, other)			SHIMS	
Pinion bearing adj. (shim, other)			COLLAPSIBLE SPACER	
Lubricant	Capacity (pt.)		3-1/2	
	Type recommended		HYPOID OR MULTIPURPOSE EXTREME PRESSURE	
	SAE viscosity number	Summer	SAE 90	
		Winter	SAE 90	
		Extreme cold	SAE 80	

DRIVE UNITS—WHEELS

Type (disc, other)		DISC
Rim (size and flange type)		15 X 5K
Attachment	Type (bolt or stud)	STUD
	Circle diameter	4-1/2
	Number and size	5 STUDS X 1/2" - 20

DRIVE UNITS—TIRES

Size and ply rating	Standard	6.70 X 15 - 4 PLY
	Optional	6 PLY
Rev/mile at 30 mph		753
Inflation press. (cold)	Front	26
	Rear	23

BRAKES—SERVICE

Type			HYDRAULIC, INTERNAL EXPANDING, DUO-SERVO, SINGLE ANCHOR
Booster type			NONE
Effective area (sq. in.)			173.52
Percent brake effectiveness—rear			38
Drum	Diameter	Front	10
		Rear	10
	Type and material		COMPOSITE: PRESSED STEEL DISC AND CAST IRON DRUM

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MODEL CUSTOMLINE					6	8
BRAKES—SERVICE (cont.)						
Brake lining	Bonded or riveted				RIVETED	
	Primary	Material			MOLDED ASBESTOS	
		Size (length x width x thickness)	Front wheel		10.85 X 2.25 X 0.187	
			Rear wheel		10.85 X 1.75 X 0.187	
		Segments per shoe			ONE	
	Secondary	Material			MOLDED ASBESTOS	
		Size (length width x thickness)	Front wheel		10.85 X 2.25 X 0.232	
			Rear wheel		10.85 X 1.75 X 0.187	
		Segments per shoe			ONE	
Wheel cylinder bore	Front				1.125	
	Rear				0.875	
Master cylinder bore					1.00	
Available pedal travel					6.5	
Line pressure at 100 lb. pedal load					APPROX. 700 PSI	
Shoe clearance adjustment					.010	
BRAKES—PARKING						
Type of control					T-HANDLE PULL-TWIST RELEASE	
Location of control					UNDER INSTRUMENT PANEL - L.H. SIDE	
Operates on					REAR BRAKES	
If separate from service brakes	Type (internal or external)				---	
	Drum diameter				---	
	Lining size (length x width x thickness)				---	
FRAME						
Type and description					LADDER TYPE WITH BOX SECTION SIDE RAILS, FIVE CROSSMEMBERS, AND "K" BRACING.	
FRONT SUSPENSION						
Type and description					INDEPENDENT BALL JOINT COIL SPRING SYSTEM INCORPORATING TWO UNEQUAL LENGTH TRANSVERSE CONTROL ARMS	

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MODEL CUSTOMLINE			6	8

FRONT SUSPENSION (cont.)

	Type		COIL
	Material		SAE 5160 OR 9260
Spring	Size (length x width x No. leaves or coil I.D.)	15.03 X 4.03	15.24 X 4.03
	Spring rate (lb. per in.)		360
	Rate at wheel (lb. per in.)		105
	Normal load (lb. @ rated length)	1925 @ 9.9"	2000 @ 9.9"
Shock absorbers	Manufacturer		MONROE, GABRIEL OR HOUDE
	Type (direct or lever)		DIRECT
	Piston diameter		MONROE 1.0", GABRIEL 1.18, HOUDE 1.0
Stabilizer	Type (link, linkless, frameless)		LINK FRAME MOUNTED
	Material		SAE 1060 OR 1090

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.)		41.18	41.18
	Inside rear	Wall to wall (r. & l.)			N. A.
		Curb to curb (r. & l.)			N. A.
Inside wheel angle with outside wheel at 20°					24°30'
Mechanical	Gear	Type			WORM & TWO TOOTH ROLLER
		Make			FORD
		Ratios	Gear		20.1 TO 1
			Overall		25.3 TO 1
	No. wheel turns				4.5 APPROX., LOCK TO LOCK
Power	Type				LINKAGE BOOSTER
	Make				BENDIX
	Trade name				MASTER-GUIDE
	Gear	Type			WORM & TWO TOOTH ROLLER
		Ratios	Gear		20.1 TO 1
			Overall		25.3 TO 1
	Pump driven by				BELT TO CRANKSHAFT PULLEY
	Overall torque ratio				25% STD. STEERING EFFORT
	Number wheel turns				4.5 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 CUSTOMLINE	6	8

STEERING (cont.)

Kingpin	Inclination at camber (deg.)		7°7'0" @ ∱ 0°8' TO ∱ 1°8' (CURB WT.)
	Diameter		N.A.
	Bearings (type)	Upper	BALL JOINT
		Lower	BALL JOINT
		Thrust	BEARING
Wheel alignment (range and preferred)	Caster (deg.)		0° TO ∱ 1° (CURB WT.) CASTER NOT TO VARY MORE THAN 1/2° FROM ONE SIDE TO OTHER
	Camber (deg.)		0 TO 1° (CURB WT.) CAMBER NOT TO VARY MORE THAN 1/4° FROM ONE SIDE TO OTHER
	Toe-in (outside tread-inches)		1/16 TO 1/8
Steering knuckle type			BALL-SOCKET JOINTS
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
Drive and torq. taken through (see page 14)				REAR SPRINGS
Spring	Type			SEMI-ELLIPTIC
	Material			SAE-5147 OR 5160
	Size (length x width x No. leaves or coil I.D.)			53.00 X 2.00 X 5
	Spring rate (lb. per in.)			110
	Rate at wheel (lb. per in.)			115
	Normal load (lb. at rated length)			810
	Mounting insulation type			RUBBER BUSHED SHACKLES & RUBBER PADS AT AXLE
	If leaf	No. of leaves		5
		Covers (yes, no)		NO
		Lubricated (yes, no)		NO
		Inserts	Type and size	LEAF TIP INSERTS (ONE PIECE)
			Material	IMPREGNATED FABRIC
		Shackle (comp. or tens.)		TENSION
Shock absorbers	Manufacturer			MONROE, GABRIEL OR HOUDE
	Type (direct or lever)			DIRECT
	Piston diameter			MONROE 1.0, GABRIEL 1.18, HOUDE 1.0
Stabilizer	Type (link, linkless, frameless)			NONE
	Material			---
Track bar type				NONE

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MAKE OF CAR FORD MODEL YEAR 1954

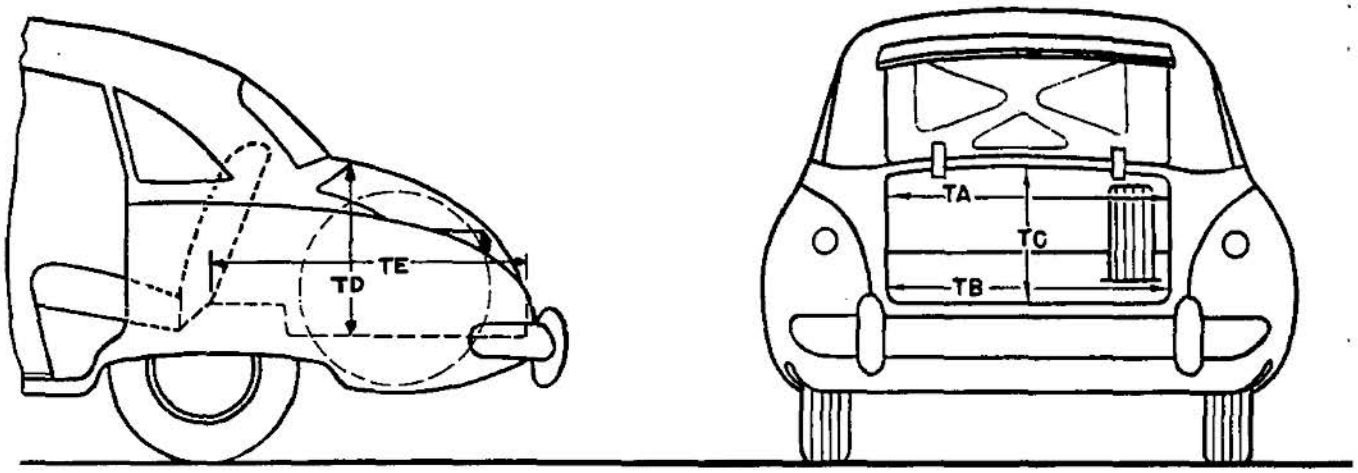
BODY—GENERAL DEFINITIONS

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 CUSTOMLINE	6	8

BODY—TRUNK OPENING DIMENSIONS



TA—Width across the top	50.1
TB—Width across the bottom	44.0
TC—Diagonal dimension at CL from top of opening to bottom	28.1
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)	48.7
Position of spare tire stowage	RIGHT HAND SIDE ON ANGLE
Method of holding lid open	SPRING COUNTER BALANCE

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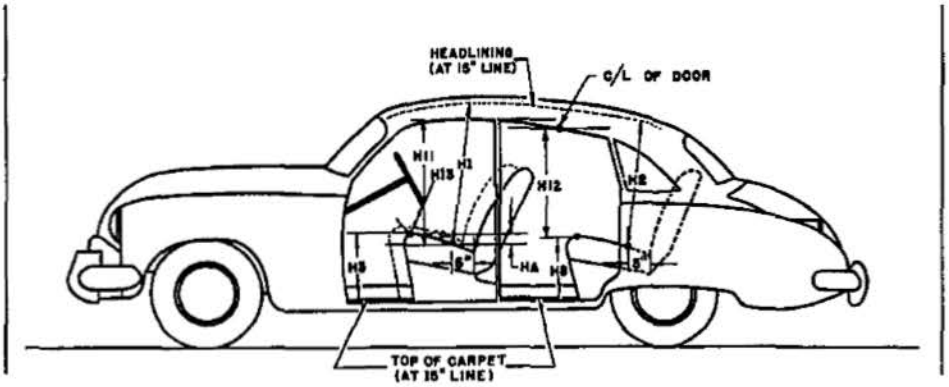
MODEL CUSTOMLINE	6	8

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
H2. Rear headroom—from "A" pt. to headlining at 8° back of vertical on 15" line.	34.2
H3. Front seat height to floor carpet on 15" line (front edge of cushion).	13.0
H8. Rear seat height to floor carpet on 15" line (front edge of cushion).	13.5
H11. Entrance—front—cushion "A" point to bottom windcord vertical.	29.5
H12. Entrance—rear—top of cushion to bottom windcord vertical at C/L of rear door.	26.3
H13. Steering wheel clearance to seat cushion taken on arc.	5.9
HA. Front seat vertical rise at "A" pt. (inches.)	0.5

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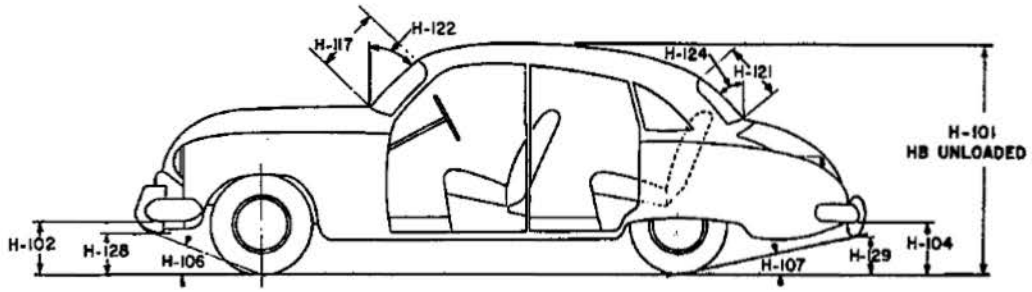
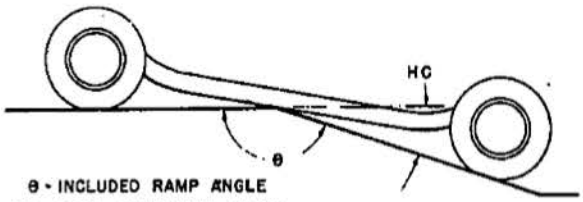
MODEL CUSTOMLINE	6	8

BODY—HEIGHT DIMENSIONS—EXTERIOR





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

H101. Overall height.	62.3 - LOADED
HB. Overall height—unloaded.	64.1 - CURB WEIGHT
H102. Front bumper bottom to ground at normal section.	14.3
H104. Rear bumper bottom to ground at normal section.	12.8
H106. Angle of approach—from the tire rolling radius to lowest point on front bumper or guard.	22°22'
H107. Angle of departure—from the tire rolling radius to lowest point on rear bumper or guard.	13°43'
HC. Ramp breakover angle.*	15°50'
H117. Windshield DLO-slant height.	16.8
H121. Backlight DLO*—Max., slant height.	16.5
H122. Windshield slope angle to vertical line on car axis.	44°
H124. Backlight slope angle to vertical line on car axis.	43°
H128. Ground to bottom of front bumper guard.	13.4
H129. Ground to bottom of rear bumper guard.	12.0
HD. Min. road clearance (location and dimension).	REAR SHOCK ABSORBER 6.6
HE. Min. road clearance at rear axle.	8.1

*See Notes, page 19.

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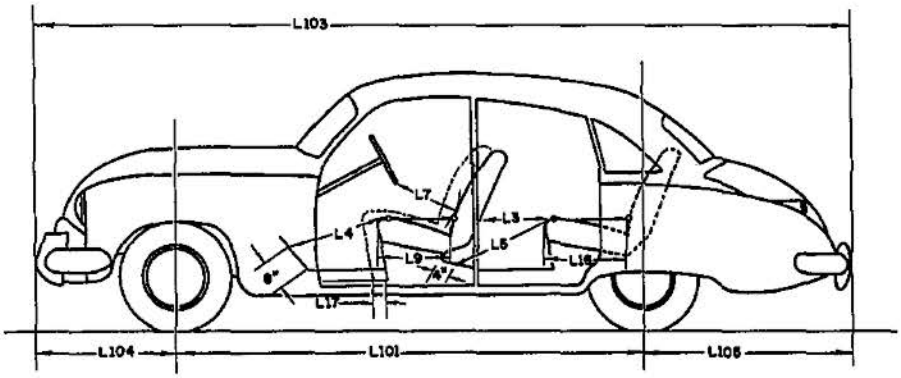
MODEL CUSTOMLINE	6	8

BODY—LENGTH DIMENSIONS



Interior	**L3.** Rear compartment back of front seat back to rear seat back.	31.1
	L4. Leg room—front—diagonal—ball of foot to top of seat to front seat back—15" line.	42.8
	L5. Leg room—rear—diagonal—from ball of foot to top of rear seat cushion and to seat back.	41.5
	L7. Steering wheel clearance to seat back taken on arc.	13.8
	L9. Front seat depth (front edge to ~~vert. top~~ to seat back on 15" line).	18.2
	L16. Depth of rear seat (front edge to seat back). on 15" LINE	19.0
	L17. Total adjustment of front seat at floor.	4.1
Exterior	**L101.** Wheel base.	115.5
	L103. Overall length (bumper to bumper inc. guards).	198.3
	L104. Overhang—front including bumper guards.	35.1
	L105. Overhang—rear including bumper guards.	47.6

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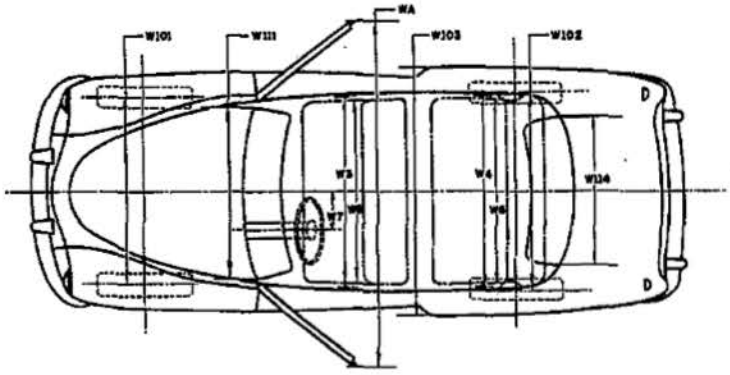
MODEL CUSTOMLINE	6	8

BODY—WIDTH DIMENSIONS



Interior	**W3.** Front shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	55.2
	W4. Rear shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	54.7
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back.	58.9
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back.	58.9
	W7. Steering wheel center to center of body.	15.0
Exterior	**W101.** Front tread at ground.	58.0
	W102. Rear tread at ground.	56.0
	W103. Max. overall width of car including bumpers or mouldings.	74.2 CUSTOMLINE
	WA. Max. overall width of car with doors open. FT. DOOR	146.3
	W111. Windshield DLO, max. width.	56.0
	W114. Back window DLO, max. width.	56.9

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MODEL	MAINLINE	CUSTOMLINE	CRESTLINE

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			940.1
Backlight glass area			978.0
Total glass area			3210.6

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)	B-3 (6 OR 8 CYL.)	B-6 (6 OR 8 CYL.)	J-6 (6 OR 8 CYL.)
	D-6 (6 OR 8 CYL.)	D-6 (6 OR 8 CYL.)	L-6 (6 OR 8 CYL.)
	G-6 (6 OR 8 CYL.)	G-6 (6 OR 8 CYL.)	P-8 (6 OR 8 CYL.)
	N-6 (6 OR 8 CYL.)	P-8 (6 OR 8 CYL.)	G-6 (6 OR 8 CYL.)
	S-1 (6 OR 8 CYL.)		J-6 SKYLINER (6 OR 8 CYL.)

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

SKYLINER - SUNSHINE ROOF

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