

AUTOMOBILE MANUFACTURERS ASSOCIATION
CONSOLIDATED SPECIFICATION QUESTIONNAIRE

**THE
1958
EDSEL
CORSAIR - CITATION**

COMPILED BY :

ORGANIZATION PLANNING &
TECHNICAL DATA SECTION
ADMINISTRATIVE DEPARTMENT
PRODUCT ENGINEERING OFFICE
EDSEL DIVISION

AMA Specifications — Passenger Car

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Data prepared and distributed by American automobile manufacturers, using uniform questionnaire form developed by car manufacturers under auspices of the Automobile Manufacturers Association.

MAKE OF CAR EDSEL

MODEL YEAR 1958 **DATE: ISSUED** 9/4/57 **REVISED**

COMPANY FORD MOTOR COMPANY - DEARBORN, MICHIGAN

MODEL NAME	SYMBOL	MODEL NAME	SYMBOL
CORSAIR	57A Four-Door Hardtop	CITATION	57B Four-Door Hardtop
CORSAIR	63A Two-Door Hardtop	CITATION	63B Two-Door Hardtop
		CITATION	76B Convertible

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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.

UNLESS OTHERWISE INDICATED:

2. All specifications are standard for the models under which they are listed.
3. Specifications apply basically to 4-door sedan or equivalent. Body dimensions shown on pages 19-24 include other body models available.
4. All dimensions are nominal engineering dimensions.

GENERAL SPECIFICATIONS

MODEL	Additional Information Page No.:	57A	63A	57B	63B	76B
Wheelbase (L-101)	22			124.05		
Tread	Front (W-101)			59.38		
	Rear (W-102)			59.00		
Maximum Overall Dimensions	Length (L-103)			218.86		
	Width (W-103)			79.84		
	Height (H-101)			56.83		57.02
Transmission— (Specify trade name - opt., not available)	Manual			None		
	Overdrive			None		
	Automatic			Edsel		
Axle ratio	Manual			None		
	Overdrive			None		
	Automatic			2.91:1		
Tire size	15			8.50 x 14 - 4 Ply		
Engine	Type, no. cyl., valve arr.	2		90° - V8 - O.H.V.		
	Fuel system (Carb. or inj.)	6		Four Barrel Carb.		
	Bore and stroke	2		4.20 x 3.70		
	Piston displ., cu. in.	2		410		
	Std. compression ratio	2		10.5:1		
	Max. bhp at engine rpm	2		345 @ 4600		
	Max. torque at rpm	2		475 @ 2900		

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MODEL	Corsair Citation	57A	63A	57B	63B	76B	

ENGINE—GENERAL

Type, no. cyls., valve arr.		900, V8, O.H.V.
Bore and stroke		4.20 x 3.70
Piston displacement, cu. in.		410
Bore spacing (C/L to C/L)		4.90
No. system	L. Bank	5-6-7-8
(front to rear)	R. Bank	1-2-3-4
Firing order		1-5-4-2-6-3-7-8
Compress. ratio	Standard	10.5:1
(nominal)	Optional	None
Cylinder Head	Standard	Cast Iron
Material	Optional	None
Cylinder Sleeve – Wet, dry, none		None
Number of	Front	Two
mounting points	Rear	One
Taxable Dia. ² x No. Cyl. horsepower 2.5		56.45
Published max. bhp at engine RPM*	Standard	345 @ 4600
	Optional	None
Published max. torque* (lb. ft. @ RPM)	Standard	475 @ 2900
	Optional	None
Recommended fuel	Standard	Regular
regular – premium	Optional	Premium
Recommended idle speed (neutral)		475 - 500

ENGINE—PISTONS

Material	Aluminum Alloy
Description and finish	Tin Plate
Weight (piston only) oz.	29.9

* Max. bhp (brake horsepower) and max. torque corrected as defined by SAE Engine Test Code.

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ENGINE PISTONS (Cont.)

Clearance (limits)	Top land		.0170 - .0202
	Skirt	Top	.0017 - .0028
		Bottom	.0015 - .0021
Ring groove depth	No. 1 ring		.199 - .206
	No. 2 ring		.199 - .206
	No. 3 ring		.1865 - .1935
	No. 4 ring		None

ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.		Compression
	No. 2, oil or comp.		Compression
	No. 3, oil or comp.		Oil
	No. 4, oil or comp.		None
Compression	Description - material, type, coating, etc.		Upper - Alloy Cast Iron, Chrome-Plated Face Lower - Alloy Cast Iron, Phosphate-Coated, Counterbored
	Width		Upper - .077 - .078 Lower - .093 - .094
	Gap		.013 - .023
Oil	Description - material, type, coating, etc.		Steel Type, Three-Piece, Chrome-Plated Face
	Width		.188 - .189
	Gap		.015 - .055
Expanders		Sectional Expanders - Blued	

ENGINE—PISTON PINS

Material			Steel	
Length			3.48 - 3.50	
Diameter			.9750 - .9753	
Type	Locked in rod, in piston, floating, etc.		Shrink Fit to Rod	
	Bushing	In rod or piston		None
		Material		None
Clearance	In piston		.0001L - .0003L	
	In rod		.0008T - .0016T	
Direction & amount offset in piston			Right - .0575 - .0675	

ENGINE—CONNECTING RODS

Material		Forged Steel
Weight (oz.)		27.4
Length (center to center)		6.599 - 6.601
Bearing	Material & Type	Copper-Lead Alloy, Steel-Backed, Removable Insert
	Overall length	.841 (Effective)
	Clearance (limits)	.0006 - .0026
	End play	.005 - .015

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Corsair					
MODEL	<u>Citation</u>	<u>57A</u>	<u>63A</u>	<u>57B</u>	<u>63B</u>
					<u>76B</u>

ENGINE—CRANKSHAFT

Material		Pearlitic Alloy Iron	
Vibration damper type		Rubber-Floated	
End thrust taken by bearing (No.)		#3 Main Bearing	
Crankshaft end play		.004 - .008	
Main bearing	Material & type		Steel-Backed, Copper-Lead, Replaceable Insert
	Clearance		
	Journal dia. and bearing overall length	No. 1	2.8994 - 2.9002 x .955
		No. 2	2.8994 - 2.9002 x .955
		No. 3	2.8994 - 2.9002 x 1.119
		No. 4	2.8994 - 2.9002 x .955
		No. 5	2.8994 - 2.9002 x .955
		No. 6	None
		No. 7	None
Dir. & amt. cyl. offset		Not Applicable	
Crankpin journal diameter		2.5992 - 2.6000	

ENGINE—CAMSHAFT

Location		Center Between Cylinder Banks			
Material		Alloy Cast Iron			
Bearings	Material	Babbitt on Steel Back, Removable Insert			
	Number	Five			
Type of drive	Gear or chain		Chain		
	Crankshaft gear or sprocket material		Sintered Iron Sprocket		
	Camshaft gear or sprocket material		Grade "B" Cast Iron		
	Timing chain	No. of links	52		
		Width	.86		
		Pitch	.50		

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Standard			
Special provision for valve rotation (intake, exhaust)		Intake and Exhaust - Free Turn			
Rocker ratio		1.77:1			
Operating tappet clearance (indicate hot or cold)	Intake	Zero			
	Exhaust	Zero			
Timing marks on fly-wheel, damper, other		Vibration Damper			

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ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	27°	
		Closes (°ABC)	69°	
		Duration - deg.	276°	
	Exhaust	Opens (°BBC)	69°	
		Closes (°ATC)	27°	
		Duration - deg.	276°	
	Valve opening overlap		192°	
Intake	Material		Chrome-Nickel Alloy Steel, Aluminum Coated	
	Overall length		5.37 - 5.38	
	Actual overall head dia.		2.08 - 2.09	
	Angle of seat		30°	
	Seat insert material		None	
	Stem diameter		.3711 - .3718	
	Stem to guide clearance		.0010 - .0024	
	Lift		.441	
	Outer spring press. and length	Valve closed (lb. @ in.)	67.5 - 72.5 @ 1.83	
		Valve open (lb. @ in.)	245 - 255 @ 1.39	
	Inner spring press. and length	Valve closed (lb. @ in.)	None	
		Valve open (lb. @ in.)	None	
	Exhaust	Material		Cast Austenitic Steel, Aluminum Coated
		Overall length		5.37 - 5.38
Actual overall head dia.		1.77 - 1.78		
Angle of seat		45°		
Seat insert material		None		
Stem diameter		.3693 - .3700		
Stem to guide clearance		.0028 - .0042		
Lift		.441		
Outer spring press. and length		Valve closed (lb. @ in.)	67.5 - 72.5 @ 1.83	
		Valve open (lb. @ in.)	245 - 255 @ 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	Pressure
	Timing gear or chain	Pressure Spray
	Cylinder walls	Pressure Stream

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	Corsair						
MODEL	Citation	57A	63A	57B	63B	76B	

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Rotor
Normal oil pressure (lb. @ engine rpm)	43 - 54 PSI @ 1000 RPM
Oil pressure sending unit (electric or mechanical)	Electrical
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, partial, other)	Full-Flow
Filter replacement (element, complete)	Complete
Capacity of crankcase, less filter-refill (qt.)	Five
Oil grade recommended (SAE viscosity and temperature range)	Above + 32°F - SAE 20 or 20W Above - 10°F - SAE 10 or 10W Below - 10°F - SAE 5W
Oil type recommended	Per A.P.I. Classification

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	3 Passage Reverse Flow	
Exhaust pipe dia. (O.D.)	Branch	2.25
Exhaust pipe wall thickness	Main	2.25
Tail pipe diameter (O.D. & wall thickness)	2.25	

ENGINE—FUEL SYSTEM

(See Supplement to Page 6 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.	Four Barrel Carburetor	
Fuel Tank	Capacity (gals.)	20.0
	Filler location	Rear, Back of License Plate Location
Fuel Pump	Type (elec. or mech.)	Mechanical
	Locations	Upper - Front of Engine
	Pressure range	5.0 - 6.0 PSI
Vacuum booster (std., optional, none)	Optional	
Fuel Filter	Type	Porous Fiber
	Locations	In Fuel Pump to Carburetor Line
Carburetor	Make & Model No.	Holley
	Number & Type	1 - 4 Barrel
	Barrel size	1.50
	Choke type	Automatic
	Intake manifold heat control (exhaust or water)	Water Warmed
	Air clnr. type	Dry Type
	Standard	Oil Bath
	Optional	

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MODEL

Corsair
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57A

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ENGINE—COOLING SYSTEM

Type (pressure system, atmospheric, other)	Pressure			
Radiator cap relief valve pressure	13 PSI Vented			
Circulation thermostat	Type (choke, bypass)	Choke Pellet Operated		
	Starts to open at (°F)	Intake Manifold 177° - 182°, Block 137° - 142°		
Water pump	Type (centrifugal, other)	Centrifugal		
	Number of pumps	One		
	Drive (V-belt, other)	V-Belt		
	Bearing type	Double Row - Sealed Ball		
By-pass recirculation type (internal, external)	External			
Radiator core type (cellular, tube and fin, other)	Tube and Fin			
Cooling system capacity	With heater (qt.)	23		
	Without heater (qt.)	22		
	Opt. equipment-specify (qt.)	None		
Water jackets full length of cylinder (yes, no)	Yes			
Water all around cylinder (yes, no)	Yes			
Radiator hose	Lower	Number and type (molded, straight)	Molded - Rubber and Fabric	
		Inside diameter	2.00	
	Upper	Number and type (molded, straight)	Molded - Rubber and Fabric	
		Inside diameter	1.75	
	By-pass	Number and type (molded, straight)	One - Straight	
		Inside diameter	.85 - .90	
	Fan	Number of blades & Spacing	Four, Uneven	
		Diameter	18.50	
Ratio-fan to crankshaft rev.		.97		
Fan cutout type		None		
Bearing type		Double Row - Sealed Ball		
*Drive belts (indicate belt used by letter)	Fan	A		
	Generator	A		
	Water Pump	A		
	Power Steering	B		
	Air Conditioning	C		

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*Drive Belt Dimensions	A	B	C
Angle of V	36°	36°	36°
Nominal length (SAE)	43.75	37.60	44.80
Width	.380	.50	.380

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ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Ford
	Voltage Rtg. & Plates/cell		12-13-6
	SAE Designation & Amp Hr. Rtg		65
	Location		Engine Compartment
Generator	Terminal grounded		Negative
	Make		Ford
	Model		FGV-10000-A
	Type		Shunt
	Ratio—Gen. to Cr/s rev.		2.25:1
	Gen. cut-in—engine rpm		620
Regulator	Make		Ford
	Model		FAR-10505-A
	Type		3 Unit
	Cutout relay	Closing voltage @ generator rpm	12.4 - 13.2 @ 1100 - 1200
		Reverse current to open	2-6 (Max.)
	Regu-lated	Voltage	14.6 - 15.4
		Current	38 - 42
	Voltage test con-ditions	Temperature	75°F (Ambient)
		Load	Five Amps
		Other	None

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Ford
	Model		FAR-11001-A
	Rotation (drive end view)		Clockwise
	Engine cranking speed		100 @ 0°F, 150 @ 70°F
	Test conditions		85 Amps
	Lock test	Amps	550
		Volts	5
		Torque (lb. ft.)	15.5
	No load test	Amps	85
		Volts	12
		RPM (min.)	4500
Motor control	Switch (solenoid, manual)		Solenoid
	Starting procedure		Turn Ignition Key Beyond "On" position

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MODEL	Citation	57A	63A	57B	63B	76B	

ELECTRICAL—STARTING SYSTEM (cont.)

Motor drive	Engagement type		Bendix Folo-Thru
	Pinion meshes (front, rear)		From Rear
	Number of teeth	Pinion	9
		Flywheel	153
	Flywheel tooth face width		.375

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Ford
	Model		FAC-12029-A
	Amps	Engine stopped	4.5
		Engine idling	2.5
Distributor	Make		Ford
	Model		FFA-12127-A
	Spark adv. centrifugal (crankshaft degrees)	Start (rpm)	1° @ 800
		Intermediate points @ rpm	14° @ 1800
		Max. @ rpm	21° @ 4000
	Spark adv. vacuum (crankshaft degrees)	Start (in. Hg)	0° @ 1"
		Intermediate points, deg. @ In. Hg	2° @ 7"
		Max. @ In. Hg	16° @ 15"
	Breaker gap (in.)		.014 - .016
Timing	Cam angle (deg.)		26° - 28.5°
	Breaker arm tension (oz.)		17 - 20
	Crankshaft deg. @ rpm.		7° @ 450
	Mark location		Vibration Damper
	Cylinder numbering system (see page 2)		5-6-7-8 1-2-3-4
Spark Plug	Firing order (see page 2)		1-5-4-2-6-3-7-8
	Make and model		Champion F-11-Y
	Thread (mm)		18 MM
	Tightening torque (lb. ft.)		20 - 30
Cable	Gap		.032 - .036
	Conductor type		Stranded Steel
	Insulation type		Neoprene, Sheath Moisture Proofed
	Spark plug protector		Applied Weatherproof Boot

ELECTRICAL—SUPPRESSION

Description	Shielded
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MAKE OF CAR	EDSEL	MODEL YEAR	1958	DATE ISSUED	9/4/57	REVISED
MODEL	Corsair Situation	57A	63A	57B	63B	76B

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	King-Seeley
	Trip odometer (yes, no)	No
Charge indicator-type		Warning Light
Temperature indicator-type		Warning Light
Oil pressure indicator-type		Warning Light
Fuel indicator-type		Fuel Gage
Other		(a) Warning Lights
Ignition switch	Identify positions in order and circuits controlled	Vertical - Off Position - Key removable in this position only. Counter-Clockwise - Accessory circuits on. Clockwise - 40° from vertical - Ignition and accessory circuits on. Clockwise - 70° from vertical - Ignition and starter circuits only.
	Provision for illumination	Indirect Light
	Location	Back of Switch Assembly
Main light-ing switch	Identify positions and lights controlled	Upper Position - Instrument lights, parking lights, tail lights and license light. Center Position - Off Down Position - Instrument lights, two outside head lights, tail lights and license light. Floor Switch - Controls the two inner head lights or highway lights.
Other light switches	Locations and lamps controlled	See Supplement Page 10A
Other switches	Locations and de-vices controlled	See Supplement Page 10A
Windshield wiper	Make	Trico
	Type	Electric
	Vacuum booster provision	Yes
	Washer provision	Yes
Horn	Type	Air Electric
	Number used	Two
	Amp draw (each)	10

- (a) Brake on warning light.
 Fuel level (Regular production option).
 Open door (Regular production option).
 Oil level indicator (Regular production option).
 Engine cold indicator.
 Engine hot indicator.

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ELECTRICAL - INSTRUMENTS AND SWITCHES

Lighting Switches and Lamps Controlled

<u>Switch Location</u>	<u>Lamps Controlled</u>
Integral with lamp	Glove box
Parking brake support bracket	Parking brake warning light
Door pillars	Dome or courtesy lamps
Instrument panel	Headlamps
Instrument panel	Heater blower
Instrument panel	Antenna
Instrument panel	Courtesy lamps
Brake master cylinder	Stop lamps
Toe board	Headlamp high, low beam
Steering column	Back-up lamps
Integral with lamp	Luggage compartment
Integral with headlamps switch	Teletouch buttons

Switches and Devices Controlled

<u>Switch Location</u>	<u>Device Controlled</u>
Instrument panel	Ignition switch
Instrument panel	Convertible top control
Instrument panel extension	Front seat
Door panel	Window regulator
Instrument panel	Luggage compartment lock
Steering column	Automatic transmission

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ELECTRICAL—LAMP BULBS

ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

Cont'd on Page 11A.

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MODEL	Cadillac	57A	63A	57B	63B	76B	

ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

Multiluber	SFE 7.5
Auto. Trans. Shifter	40 CB, 12 CB e
Seat Regulator	30 CB, 12 CB e
Window Regulator	30 CB, 15 CB
Door Lock	30 CB
Luggage Comp't Lock	20 CB
Door Open Warning	SFE 7.5
Park Brake Warning	SFE 7.5
Air Cond. Blower	20 CB
Convertible Top	30 CB

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DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type		Not Used
Type pressure plate springs		
Total plate pressure (lb.)		
No. of clutch driven discs		
Clutch facing	Material	
	Outside & inside dia.	
	Total eff. area (sq.in.)	
	Thickness	
	Engagement cushioning method	
Release bearing	Type & method of lubrication	
Torsional damping	Methods: springs, friction material	

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	Not Used
Manual with overdrive (std. or opt.)	Not Used
Automatic (std. or opt.)	Standard

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds		Not Used
Transmission ratios	In first	
	In second	
	In third	
	In fourth	
	In reverse	
Synchronous meshing, specify gears		
Lubricant	Capacity (pt.)	
	Type recommended	
	SAE viscosity number	Summer
		Winter
	Extreme cold	

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Corsair							
MODEL	Citation	57A	63A	57B	63B	76B	

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		Not Used	
	Manual lockout (yes, no)			
	Downshift accelerator control (yes, no)			
	Minimum cut-in speed			
	Gear ratio			
	Lu- bri- cant	Capacity (Overdrive only)		
		Separate filler (yes, no)		
		Type recommended		
		SAE vis- cosity number	Summer	
			Winter	
		Ext. cold		

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name		Edsel				
Type describe		Torque Converter with Planetary Gears				
Method of Selection (Lever, Push Button or other)		Push Button, Mounted in Center of Steering Wheel Hub				
Selector Pattern		P Park	R Reverse	N Neutral	Dr Drive	Lo Low
List gear ratios Selector Pattern and indicate which are used in each selector position		1.48:1 - Drive and Low 2.37:1 - Drive and Low 1.84:1 - Reverse 1.00:1 - Drive				
Max. upshift speeds—drive range		0 - 45				
Max. kickdown speeds—drive range		67 - 8				
Torque converter	Number of elements	Three				
	Max. ratio at stall at engine rpm	2.1:1 @ 1610 - 1810				
	Type of cooling (air, water)	Water				
Lubricant	Capacity—refill (pt.)	22				
	Type recommended	Type "A" Fluid				
Special transmission features		(a)				

- (a) With the transmission operating in the "Dr" range at speeds above approximately 21 mph, pressing the "Lo" selector button causes the transmission to shift from 3rd to 2nd gear. With further deceleration, the shift from 2nd to 1st gear occurs automatically at 21 mph. When operating in the "Dr" range at speeds below approximately 21 mph, pressing the "Lo" selector button causes the transmission to shift directly from 3rd to 1st gear.

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MODEL Corsair
Citation

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DRIVE UNITS—PROPELLER SHAFT

Number used		One	
Type (exposed, torque tube)		Exposed	
Outer diameter x length* x wall thickness	Manual transmission	None	
	Overdrive transmission	None	
	Automatic transmission	None	
Inter-mediate bearing	3.00 - 2.50 x 58.31 (Swaged)		
	Type (plain, anti-friction)	None	
	Lubrication (fitting, prepack)	None	
Universal joints	Make	Spicer	
	Number used	Two	
	Type (ball and trunnion, cross, other)	Cross	
	Bearing	Type (plain, anti-friction)	Needle Rollers
		Lubric. (fitting, prepack)	Fittings
Drive taken through (torque tube or arms, springs)		Rear Springs	
Torque taken through (torque tube or arms, springs)		Rear Springs	

DRIVE UNITS—REAR AXLE

Description - (incl. limited slip differential)		Hypoid, Straddle Mounted Pinion	
Drive Pinion Offset		2.25	
No. of differential pinions		Two Pinion	
Gear ratio and No. of teeth	Automatic transmission	2.91:1 - 32-11	
	Overdrive trans.	None	
	Manual transmission	None	
Ring gear pitch diameter & O.D.		9.0	
Pinion adjustment (shim, other)		Shims	
Pinion bearing adj. (shim, other)		Shims	
Wheel bearing type		Single Row, Double Sealed, Ball Bearing	
Lubricant	Capacity (pt.)	5.0	
	Type recommended	Hypoid - Extreme Pressure	
	SAE viscosity number	Summer	SAE-90
		Winter	SAE-90
		Extreme cold	SAE-80

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

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MAKE OF CAR		EDSEL		MODEL YEAR		1958		DATE: ISSUED		9/4/57		REVISED	
		Corsair											
MODEL		Citation		57A		63A		57B		63B		76B	

DRIVE UNITS—WHEELS

Type & material	Pressed Steel Disc	
Rim (size and flange type)	14 x 6JK	
Attachment	Type (bolt or stud)	Stud
	Circle diameter	5.0
	Number and size	5 - .500

DRIVE UNITS—TIRES

Size (L-102) & ply rating	Standard	8.50 x 14 - 4 Ply
	Optional	8.50 x 14 - 6 Ply
Type tires - nylon, etc.		Various
Rev/mile at 30 mph		747
Inflation press.(cold)	Front	24
	Rear	22

BRAKES—SERVICE

Type				Duo-Servo with Automatic Brake Adjuster			
Power brake type				Vacuum Power			
Effective area (sq. in.)				205.3			
Percent brake effectiveness-front				60.6%			
Drum	Diameter	Front		11.0			
		Rear		11.0			
Brake lining	Type and material			Pressed Steel Disc Fused to Cast Iron Rim			
	Bonded or riveted			Rivited			
	Front Shoe	Material		Molded Asbestos			
		Size (length x width x thickness)	Front wheel	9.3 x 3.00 x .187			
			Rear wheel	9.3 x 2.00 x .187			
		Segments per shoe		One			
	Rear Shoe	Material		Molded Asbestos			
		Size (length x width x thickness)	Front wheel	11.93 x 3.00 x .187			
			Rear wheel	11.93 x 2.00 x .187			
		Segments per shoe		One			
Wheel cyl-inder bore	Front		1.125				
	Rear		.906				
Master cylinder bore				1.00			
Available pedal travel				5.75			
Line pressure at 100 lb. pedal load				720			
Shoe clearance adjustment				.010			

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MAKE OF CAR		EDSEL		MODEL YEAR		1958		DATE: ISSUED		9/4/57		REVISED	
MODEL		Corsair		57A		63A		57B		63B		76B	
		Citation											

BRAKES—PARKING

Type of control		Foot Operated	
Location of control		Under Instrument Panel Left of Steering Column	
Operates on		Rear Wheels	
If separate from service brakes	Type (internal or external)		
	Drum diameter		
	Lining size (length x width x thickness)		

FRAME or UNITIZED CONSTRUCTION

Type and description	Ladder, with Full Length Boxed Side Rails and Five Cross-members, "X" Member in 76B Frame.
----------------------	--

SUSPENSION—GENERAL

Provision for car leveling		None
Provision for brake dip control		None
Provision for acc. squat control		None
Special provisions for car jacking		None
Shock absorber front & rear	Type	Direct Acting
	Make	Various
	Piston dia.	1.00
Other special features		Rear Shock Absorbers Sea-Leg Mounted

SUSPENSION—FRONT

Type and description	Independent Ball Joint, Coil Spring System, Incorporating Two Unequal Length Transverse Arms Swept Back 20°.
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(Continued)

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MAKE OF CAR <u>EDSEL</u>		MODEL YEAR <u>1958</u>		DATE: ISSUED <u>9/4/57</u>		REVISED	
MODEL <u>Corsair</u>		<u>57A</u>	<u>63A</u>	<u>57B</u>	<u>63B</u>	<u>76B</u>	
<u>Citation</u>							

SUSPENSION FRONT (cont.)

Spring	Type	Coil	
	Material	SAE-9260 or 5160	
	Size (coil design height & I.D.; bar length x dia.	17.59 x 4.00	17.48 x 4.00
	Spring rate (lb. per in.)	380	400
	Rate at wheel (lb. per in.)	104 (Less Tires)	
	Design load (lb. @ design height)	2640	2740
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	SAE-1090 Steel .81	

STEERING

Mechanical (std., opt., NA)			Standard
Power (std., opt., NA)			Optional
Wheel diameter			17.50
Turning diameter	Outside front	Wall to wall (l. & r.)	45.65
		Curb to curb (l. & r.)	43.18
	Inside rear	Wall to wall (l. & r.)	25.98
		Curb to curb (l. & r.)	26.51
Outside wheel angle with inside wheel at 20°			24° 45'

Mechanical	Gear	Type		Recirculating Ball and Nut
		Make		Ford
		Ratios	Gear	23.6:1
			Overall	31.8:1
	No. wheel turns			5
Power	Type		Link Type	
	Make		Ford	
	Trade name		Bendix	
	Gear	Type		Recirculating Ball and Nut
		Ratios	Gear	20:1
			Overall	24:1
			Pump driven by	
	Overall torque ratio		Variable	
	Number wheel turns		4.75	
	Linkage	Type		Parallelogram
Location (front or rear of wheels, other)		Rear		
Drag link (trans. or longit.)		Transverse		
Tie rods (one or two)		Two		

(Continued)

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MAKE OF CAR <u>EDSEL</u>		MODEL YEAR <u>1958</u>		DATE: ISSUED <u>9/4/57</u>		REVISED	
Corssair							
MODEL <u>Citation</u>		<u>57A</u>	<u>63A</u>	<u>57B</u>	<u>63B</u>	<u>76B</u>	

STEERING(cont.)

Steering Axis	Inclination at camber (deg.)		7° 0'
	Bearings (type)	Upper	Ball Joint
		Lower	Ball Joint
		Thrust	None
Wheel alignment (range and preferred)	Caster (deg.)		0° to 1° 30' ^a
	Camber (deg.)		0° to 45' ^b
	Toe-in (outside tread-inches)		.06 to .18
	Steering spindle & joint type		Ball Socket Joint
Wheel spindle	Diameter	Inner bearing	1.25 I.D.
		Outer bearing	.75 I.D.
	Thread size		.75 - .16
	Bearing type		Tapered Roller

SUSPENSION—REAR

Type and description			Hotchkiss Drive			
Drive and torq. taken through (see page 14)			Rear Springs			
Spring	Type		Semi-Elliptic, Leaf Type			
	Material		SAE-Spring Steel			
	Size (length x width, coil design height and I.D.; bar length & dia.)		55.0 x 2.00			
	Spring rate (lb. per in.)		95			
	Rate at wheel (lb. per in.)		126 (Less Tires)			
	Design load (lb. at design height)		980			
	Mounting insulation type		Rubber Bushed Shackles			
	If leaf	No. of leaves		7		
		Inserts	Type and size		Leaf Tip Inserts	
			Material		Impregnated Fabric	
		Shackle (comp. or tens.)		Compression		
Stabilizer	Type (link, linkless, frameless)		None			
	Material		None			
Track bar type			None			

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- (a) Caster not to vary more than .50° from one side to the other.
 (b) Camber not to vary more than .50° from one side to the other.

MAKE OF CAR EDSEL MODEL YEAR 1958 DATE: ISSUED 9/4/57 REVISED _____

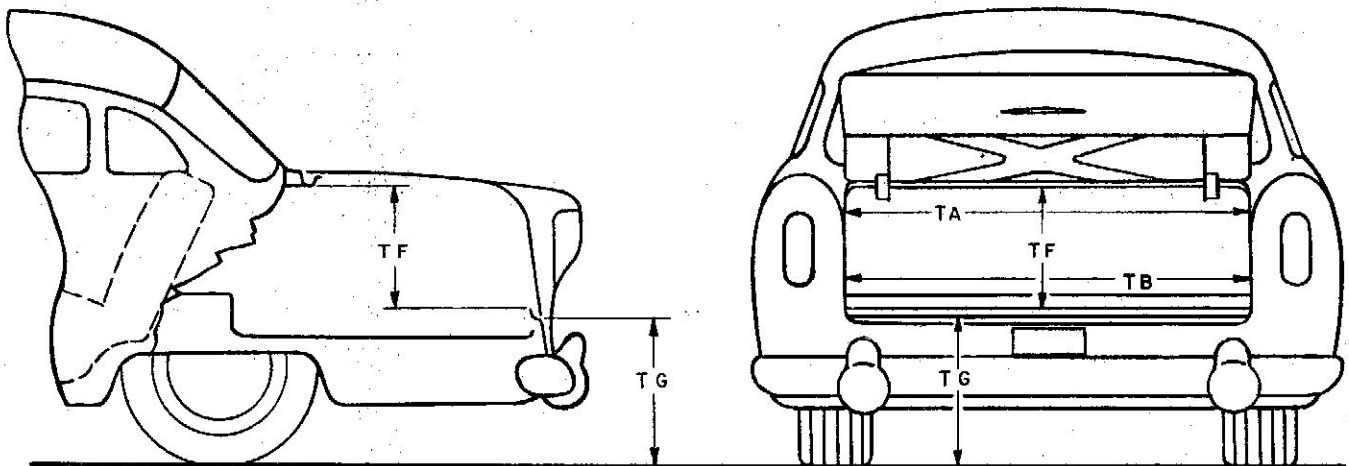
BODY—GENERAL DEFINITIONS

NOTE: Included in the dimension definitions listed on this and the following pages are those which have been adopted by the S.A.E. 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 Subcommittee for inclusion in the Questionnaire. These are shown by an additional letter, e.g., HA. Symbol "a" added as suffix to SAE dimensions indicates an AMA modification. The dimensions are developed from the following basic points:

1. Front and rear seat free "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
2. Front and rear seat "B" points are located on seat back 15" from center of body at height of horizontal tangent to top of seat cushion.
3. Front seat is in the full down and normal rearmost position.
4. Loaded position—5 passenger, front 300 lb., rear 450 lb.; includes spare wheel, tire and tools, and full complement of gas, oil, water, and tires to recommended pressure, etc.
5. C/L (centerline).
6. D. L. O. (daylight opening, exposed glass dimension - pages 21, 23 & 25).
7. Ramp breakover angle (page 21) is the supplement of the included ramp angle (180° minus the included ramp angle) over which a car can pass without hanging up.

MODEL	Corsair	57A	63A	57B	63B	76B
	Citation					

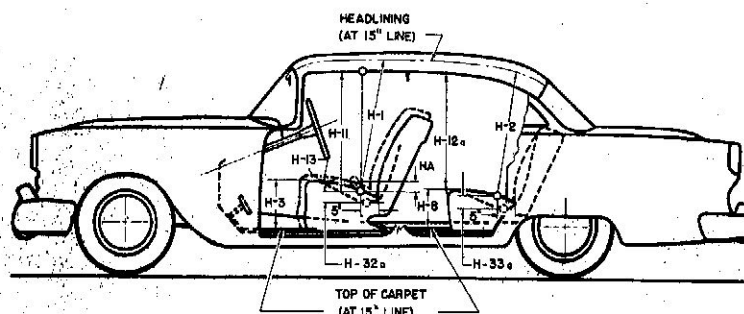
BODY—TRUNK DIMENSIONS



Usable trunk luggage capacity (see Section H1 of SAE Automotive Drafting Standards)	30.20	32.10
TA—Width across the top	50.50	
TB—Width across the bottom	49.20	
TF—Vertical dimension at C/L from bottom to top of opening.	19.00	
TG—Vertical height from ground to trunk lower opening (normal surface of outside sheet metal - loaded)	26.54	
Position of spare tire stowage	Stowage in Wheel Well in Right Side of Trunk Area.	
Method of holding lid open	Torsion Bar	

MAKE OF CAR	EDSEL	MODEL YEAR	1958	DATE: ISSUED	9/4/57	REVISED	
	Corsair						
MODEL	Citation	57A	63A	57B	63B	76B	

BODY—HEIGHT DIMENSIONS--INTERIOR



H1. Front headroom—from free "A" pt. to headlining at 8° back of vertical on 15" line. (For "A" pt. see note 1, page 19)	33.92	33.92	33.92	33.92	34.56
H2. Rear headroom—from free "A" pt. to headlining at 8° back of vertical on 15" line.	32.83	32.83	32.83	32.83	33.95
H3. Front cushion height above low point on floor carpet on 15" line (front edge of cushion).	10.55	10.55	10.55	10.55	10.54
H8. Rear cushion height above low point on floor carpet on 15" line (front edge of cushion).	14.45	14.45	14.45	14.45	14.11
H11. Entrance—front—cushion free "A" point to bottom windcord vertical.	29.47	29.47	29.47	29.47	29.06
H12a. Entrance — rear — top of cushion at vertical tangent to front of rear seat, to bottom of windcord in rear.	26.43	(a)	26.43	(a)	(a)
H13. Steering wheel clearance to seat cushion taken on arc (wheel turned for min. clearance).	5.26	5.26	5.26	5.26	5.34
HA. Front seat maximum vertical rise, at free "A" point.	1.42	1.42	1.42	1.42	1.30
HF. Front seat maximum vertical rise of free "A" point with multiple-position seat.	1.75	1.75	1.75	1.75	1.75
H32a. Front seat depressed depth — vertical dimension from free "A" point to depressed "A" point.	5.36	5.36	5.36	5.36	5.36
H33a. Rear seat depressed depth — vertical dimension from free "A" point to depressed "A" point.	5.60	5.60	5.60	5.60	5.10

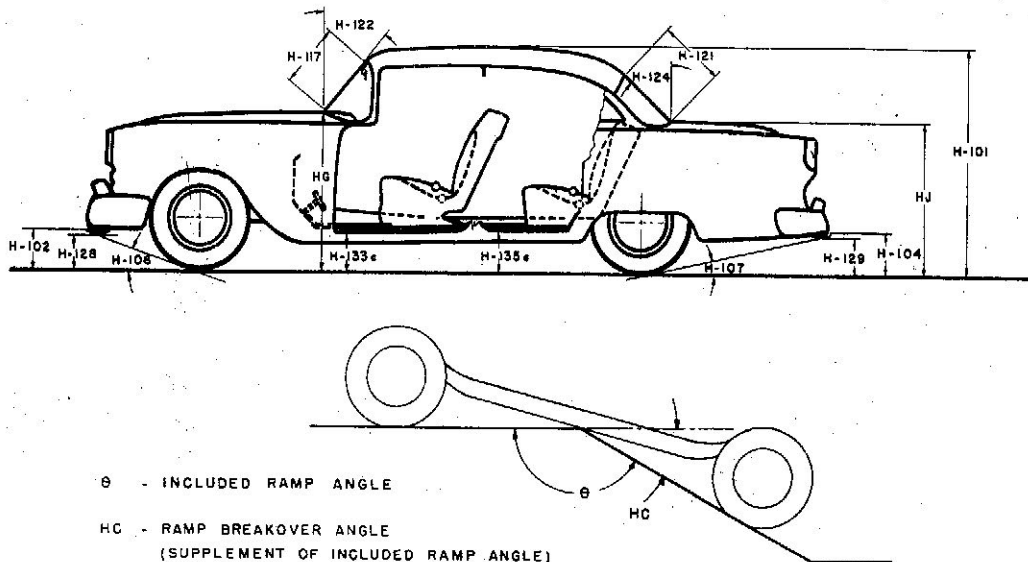
(a) Not applicable

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MAKE OF CAR	EDSEL	MODEL YEAR	1958	DATE: ISSUED	9/4/57	REVISED	
MODEL	Citation	57A	63A	57B	63B	76B	

BODY-HEIGHT DIMENSIONS-EXTERIOR



H101. Overall height - loaded.	56.83	56.83	56.83	56.83	57.02
HB. Overall height - curb weight.	58.41	58.41	58.41	58.41	58.60
H102. Front bumper bottom to ground at normal section.	12.87	12.87	12.87	12.87	12.87
H104. Rear bumper bottom to ground at normal section.	12.50	12.50	12.50	12.50	12.50
H106. Angle of appr.-fr. tire static loaded rad. to interfering pt. on fr. bumper, gd., other.	22° 38'	22° 38'	22° 38'	22° 38'	22° 38'
H107. Angle of dep.-fr. tire static loaded rad. to interfering pt. on rr. bumper, gd., other.	12° 13'	12° 13'	12° 13'	12° 13'	12° 13'
HC. Ramp breakover angle.*	12° 38'	12° 38'	12° 38'	12° 38'	12° 38'
H117. Windshield DLO-slant height.	17.62	17.62	17.62	17.62	17.62
H121. Backlight DLO*-max., slant height.	19.25	19.25	19.25	19.25	15.72
H122. Windshield slope angle to vertical line on car axis.	43° 30'	43° 30'	43° 30'	43° 30'	43° 30'
H124. Backlight slope angle to vertical line on car axis.	49°	49°	49°	49°	47°
H128. Ground to bottom of front bumper guard.	15.60	15.60	15.60	15.60	15.60
H129. Ground to bottom of rear bumper guard.	12.46	12.46	12.46	12.46	12.60
H133a. Bottom of front door to ground, min. dimension - car loaded.	11.32	11.32	11.32	11.32	11.32
H135a. Bottom of rear door to ground, min. dimension - car loaded.	11.11	(a)	11.11	(a)	(a)
HD. Min. road clear. (5 pass. load) & loc.	6.26	6.26	6.26	6.26	6.26
HE. Min. road clearance at rear axle.	7.64	7.64	7.64	7.64	7.64
HG. Hood at rr. to grd.-vert. dim. excl. molding, fr. hood opening line at cowl (curb wt.)	40.56	40.56	40.56	40.56	40.56
HH. Max. ht., fr. grd. frt. of windshield (curb wt.)	40.52	40.52	40.52	40.52	40.52
HJ. Max. ht. fr. grd. back of r. window (curb wt.)	38.51	38.51	38.51	38.51	39.05

* See Notes, page 19.

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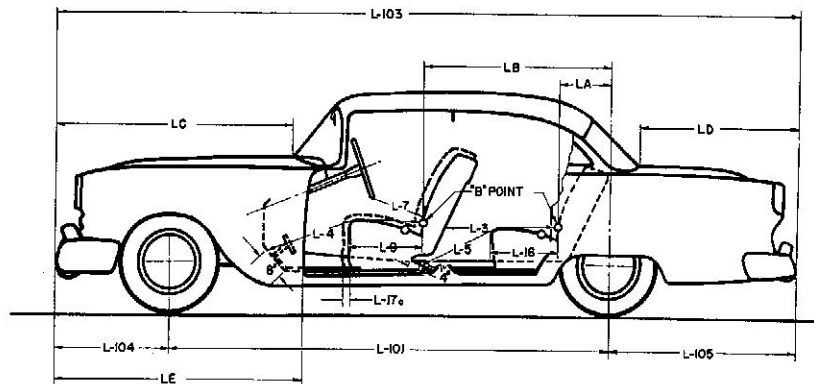
(a) Not applicable

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MAKE OF CAR <u>EDSEL</u>		MODEL YEAR <u>1958</u>		DATE ISSUED <u>9/4/57</u>		REVISED	
Corsair							
MODEL	Citation	57A	63A	57B	63B	76B	

BODY—LENGTH DIMENSIONS



Interior	* L3. Rear compartment of front seat back to rear seat back.	31.27	31.27	31.27	31.27	30.16
	* L4. Leg room—front—ball of foot to top of seat to seat back—15" line.	44.19	44.19	44.19	44.19	43.03
	* L5. Leg room—rear—from ball of foot to top of seat cushion and to seat back†	43.42	43.42	43.42	43.42	41.48
	L7. Steering wheel clearance to seat back taken on arc.	14.27	14.27	14.27	14.27	13.17
	* L9. Front seat depth (front edge to vert. tan. to seat back on 15" line).	18.58	18.58	18.58	18.58	18.48
	* L16. Depth of rear seat (front edge to seat back).	18.47	18.47	18.47	18.47	18.44
	L17a. Total adjustment of front seat at front lower seat frame.	5.0	5.0	5.0	5.0	5.0
	LA. Rear seat "B" point to center line of rear axle.	19.16	19.16	19.16	19.16	21.71
	LB. Front seat "B" point to center line of rear axle.	57.31	57.31	57.31	57.31	58.47
	LC. Front of car to base of windshield.	62.76	62.76	62.76	62.76	62.76
	LD. Rear of car to base of rear window or upper structure.	48.88	48.88	48.88	48.88	48.88
Exterior	LE. Front of car to front edge of front door.	68.89	68.89	68.89	68.89	68.89
	L101. Wheelbase.	124.05	124.05	124.05	124.05	124.05
	L103. Overall length (bumper to bumper inc. guards).	218.86	218.86	218.86	218.86	218.86
	L104. Overhang—front including bumper guards.	35.70	35.70	35.70	35.70	35.70
	L105. Overhang—rear including bumper guards.	59.11	59.11	59.11	59.11	59.11

* Dimension taken on 15" line—see notes 1 & 2, page 19.

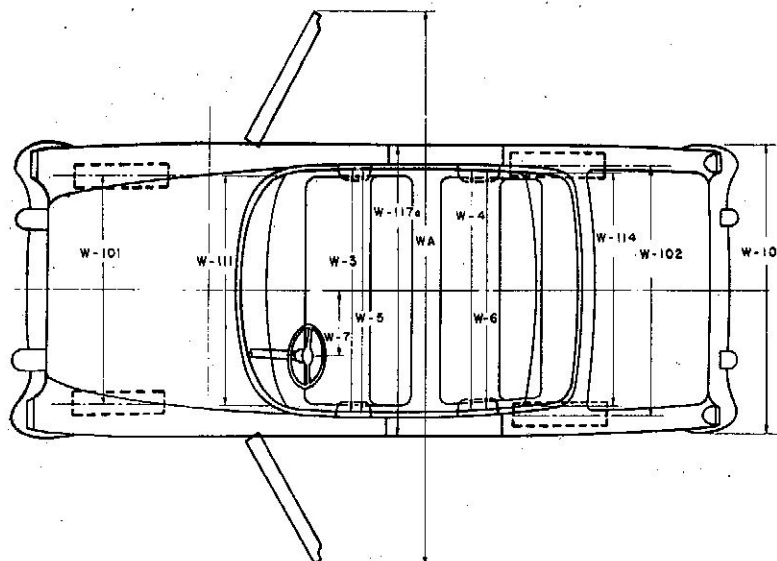
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MAKE OF CAR	EDSEL	MODEL YEAR	1958	DATE: ISSUED	9/4/57	REVISED	
AODEL	Corsair Citation	57A	63A	57B	63B	76B	

BODY—WIDTH DIMENSIONS



Interior	W3. Front shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	59.70	59.70	59.70	59.70	59.70
	W4. Rear shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	59.65	59.65	59.65	59.65	49.65
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back.	63.50	63.50	63.50	63.50	63.50
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back.	63.45	63.45	63.45	63.45	52.45
	W7. Steering wheel center to center of body.	15.37	15.37	15.37	15.37	15.37
Exterior	W101. Front tread at ground.	59.38	59.38	59.38	59.38	59.38
	W102. Rear tread at ground.	59.00	59.00	59.00	59.00	59.00
	W103. Max. overall width of car including bumpers or mouldings.	79.84	79.84	79.84	79.84	79.84
	WA. Max. overall width of car with doors open.	148.50	163.16	148.50	163.50	163.16
	W111. Windshield DLO, max. width.	62.64	62.64	62.64	62.64	62.64
	W114. Back window DLO, max. width.	62.70	62.70	62.70	62.70	64.82
	W117a. Max. body width at center pillar, less hardware and applied moldings.	77.54	77.54	77.54	77.54	77.54

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MAKE OF CAR <u>EDSEL</u>		MODEL YEAR <u>1958</u>		DATE: ISSUED <u>9/4/57</u>		REVISED
MODEL	Corsair	57A	63A	57B	63B	76B
	Citation					

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front	Front	Front	Front	Front
	Rear doors	Front	Front	Front	Front	Front
Type of finish (lacquer, enamel).		Enamel	Enamel	Enamel	Enamel	Enamel
Hood hinge location (front, rear).		Front	Front	Front	Front	Front
Hood counterbalanced (yes, no).		Yes	Yes	Yes	Yes	Yes
Hood release control (internal, external).		Internal	Internal	Internal	Internal	Internal
Vehicle (Serial) No. Location		Left Front Pillar Post				
Engine No. location		Block	Block	Block	Block	Block
Theft protection - type		Door Locks				
Vent window control method (crank, friction pivot).		Pivot	Pivot	Pivot	Pivot	Pivot
Windshield type (single curved, compound curved, other)		Single Curved				
Rear window type (flat, curved, one piece, three piece)		One Piece Curved				
Side glass type (curved, flat)		Flat	Flat	Flat	Flat	Flat
Windshield glass area D.L.O.		1169.46	1169.46	1169.46	1169.46	1169.46
Backlight glass area D.L.O.		1162.50	1162.50	1162.50	1162.50	1023.64
Total glass area D.L.O.		3594.40	3727.34	3594.40	3727.34	3336.56

BODY—TYPES AND STYLE NAMES —

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

BODY STYLES:	CODES
Corsair	
Four-Door Hardtop	57A
Two-Door Hardtop	63A
Citation	
Four-Door Hardtop	57B
Two-Door Hardtop	63B
Convertible	76B

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MAKE OF CAR EDSEL MODEL YEAR 1958 DATE ISSUED 9/4/57 REVISED _____

SUPPLEMENTARY INFORMATION

MAJOR OPTIONAL ITEMS - WEIGHTS

Model	CURB - WEIGHT - POUNDS			SHIPPING WEIGHT
	Front	Rear	Total	
CORSAIR				
57A - Four-Door Hardtop	2403	2000	4403	4235 -
63A - Two-Door Hardtop	2365	1937	4302	4134
CITATION				
57B - Four-Door Hardtop	2401	1997	4398	4230 -
63B - Two-Door Hardtop	2368	1936	4304	4136
76B - Convertible	2440	2039	4479	4311
Accessories & Equipment Weights				
Power Steering	+31	+3	+34	
Power Brakes	+10	+2	+12	
Air Conditioner	+100	+15	+115	
Dual Exhaust	+16	+16	+32	
Multiluber	+5	0	+5	
Power Seat (4-Way)	+18	+12	+30	
Power Window Lifts	+9	+6	+15	
Radio - Eight Tube	+7	+3	+10	
Radio - Nine Tube	+9	+3	+12	
Heater	+19	+7	+26	
Padded Dash Panel	+6	+3	+9	
Padded Sun Visor	+3	+1	+4	
Seat Belts	+3	+1	+4	
Wheel Covers	+4	+4	+8	
Pass. Weight	1 Front 450			XXXXXXXXXXXXXXXXXXXX
	2 Rear 450			XXXXXXXXXXXXXXXXXXXX

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