

AUTOMOBILE MANUFACTURERS ASSOCIATION CONSOLIDATED SPECIFICATION QUESTIONNAIRE

Page 1

MAKE OF CAR: LINCOLN COMPANY: LINCOLN-MERCURY DIVISION FORD MOTOR COMPANY	MODEL NAME COSMOPOLITAN CUSTOM CAPRI SPECIAL CUSTOM
MODEL YEAR: 1953 DATE 11-18-52	

THIS PAGE REVISED MARCH 2, 1953

TABLE OF CONTENTS

General Specifications.....	1	Frame.....	16
Engine.....	2	Front Suspension.....	16
Electrical.....	8	Steering.....	17
Drive Units.....	12	Rear Suspension.....	18
Brakes.....	15	Body.....	19
Index.....	24		

- 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		COSMOPOLITAN AND CAPRI	
Wheelbase		123"	
Tread	Front	58.5	
	Rear	58.5	
Maximum Overall Dimensions	Length (L-103)	214.1	
	Width (W-103)	77.5	
	Height (H-101)	62.7 LOADED	
Steering ratio—overall		26.1 TO 1	
Turning diameter (curb to curb)		45.8	
Shipping weight*		COSMOPOLITAN 4050	CAPRI 4061
Transmission— (Specify standard, optional, not avail.)	Conventional	NONE	
	Overdrive	NONE	
	Automatic	STANDARD	
Axle ratio	Conventional	---	
	Overdrive	---	
	Automatic	3.31 STD.	
Tire size		8.00 X 15	
Engine	Type	V	
	No. of cylinders	8	
	Valve arrangement	OVERHEAD	
	Bore and stroke	3.80 X 3.50	
	Piston displacement, cu. in.	317.5	
	Standard compression ratio	8.0 TO 1	
	Maximum bhp at engine rpm	205 @ 4200	
		305 @ 2300 - 3000	

*Standard car weight, not including gas and water.

AMA Consolidated Specification Questionnaire

Page 2

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL

COSMOPOLITAN AND CAPRI

ENGINE—GENERAL

Type	V, In-line, other	V
	Angle of V	90°
No. of cylinders		8
Valve arrangement		OVERHEAD
Bore and stroke		3.80 X 3.50
Piston displacement, cu. in.		317.5
Numbering system (front to rear)	L. Bank	5-6-7-8
	R. Bank	1-2-3-4
Firing order		1-5-4-8-6-3-7-2
Compression ratio	Standard Head	8.0 TO 1
	Optional Head	NONE
Cylinders	Head Material	CAST IRON
	Standard	NONE
	Optional	NONE
	Sleeve—Wet, dry, other, none	NONE
Number of mounting points	Front	TWO, AT SIDE
	Rear	ONE, AT TRANSMISSION EXTENSION
Taxable horsepower	(Dia. ² x No. Cyl.) 2.5	46.2
Advertised max. brake horsepower at engine RPM*	Standard head	205 @ 4200
	Optional head	NONE
	With fuel (Octane and method)	82 (MOTOR)
	Standard Head	
	Optional Head	--
Max. torque (lb. ft. @ RPM)	Standard head	305 @ 2300-3000
	Optional head	NONE
Recommended idle speed (neutral)		450

ENGINE—PISTONS

Material		ALUMINUM ALLOY
Description and finish		AUTOTHERMIC, SLIPPER, OVAL FLAT HEAD - TIN PLATED
Weight (piston only) oz.		22.85 - 22.00
Clearance	Top land	.023 - .027
	Skirt	.0007 - .0013 (1½" ABOVE BOTTOM)
	Top	
	Bottom	
Ring groove depth	No. 1 ring	.2115 - .2165
	No. 2 ring	.2115 - .2165
	No. 3 ring	.2065 - .2115
	No. 4 ring	NONE

*Corrected as defined by SAE Engine Test Code, with the following standard power conditions: 1500 RPM, 14.7 in. Hg, 60° F, 90% relative humidity.

AMA Consolidated Specification Questionnaire

Page 3

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL COSMOPOLITAN AND CAPRI

ENGINE—RINGS

Type (top to bottom)	No. 1 oil or comp.	TAPER FACE
	No. 2 oil or comp.	COUNTERBORED
	No. 3 oil or comp.	WEDGE CHANNEL
	No. 4 oil or comp.	NONE
No. rings above piston pin		3
Compression	Material	CAST IRON
	Coating	UPPER - CHROME PLATE LOWER - FERROX COAT OR CADMIUM PLATE
	Width	.0775 - .0780
	Gap	.010 - .020
	Maximum wall thickness	.191
Oil	Material	CAST IRON
	Coating	NONE OR PHOSPHATE
	Width	.1860 - .1865
	Gap	.010 - .020
	Maximum wall thickness	.140 - .150
Location of expanders		UNDER OIL RING

ENGINE—PISTON PINS

Material			ALLOY STEEL, HEAT TREATED
Length			3.173 - 3.176
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
	In rod		.0002 - .0004
Direction offset in piston			RIGHT

ENGINE—CONNECTING RODS

Material			FORGED STEEL
Weight (oz.)			28.22 - 28.50 (LESS BEARING)
Length (center to center)			7.064 - 7.066
Bearing	Material		STEEL-BACKED BABBITT
	Type (cast-in or removable)		REPLACEABLE INSERT
	Effective length		.789
	Clearance		.0004 - .0020
	End play		.006 - .014 (TWO RODS)

ENGINE—CRANKSHAFT

Material		PRECISION-MOLDED ALLOY IRON
Weight (lb.)		62

AMA Consolidated Specification Questionnaire

Page 4

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL COSMOPOLITAN AND CAPE

ENGINE—CRANKSHAFT (cont.)

Vibration damper type			RUBBER-FLOATED	
End thrust taken by bearing (No.)			NO. 3 MAIN BEARING	
Crankshaft end play			.004 - .008	
Main bearing	Material		STEEL-BACKED BABBITT	
	Type (cast-in or removable)		REPLACEABLE INSERTS	
	Clearance		.0008 - .0026 (SELECTIVE)	
	Journal dia. and bearing effective length	No. 1	2.6239 X .915	
		No. 2	2.6239 X .915	
		No. 3	2.6239 X .893	
		No. 4	2.6239 X .915	
		No. 5	2.6239 X 1.640	
		No. 6	---	
		No. 7	---	
Direction offset from cyl. bore		NONE		
Connecting rod crankpin journal diameter			2.2486	

ENGINE—CAMSHAFT

Material			CAST ALLOY IRON
Bearings	Material		STEEL-BACKED BABBITT, LINE BORED
	Number		5
Type of drive	Gear or chain		CHAIN
	Crankshaft gear or sprocket material		CAST STEEL
	Camshaft gear or sprocket material		CAST IRON
	Timing chain	Make	LINK BELT
		No. of links	50
		Width	1.25
		Pitch	.5

ENGINE—VALVE SYSTEM

Hydraulic lifters (yes, no)		YES
Special provision for valve rotation (intake, exhaust)		YES-BOTH VALVES
Rocker ratio		1.5
Operating tappet clearance (indicate hot or cold)	Intake	ZERO
	Exhaust	ZERO
Tappet clearance for timing	Intake	---
	Exhaust	---
Timing marks on fly-wheel, damper, other		VIBRATION DAMPER

AMA Consolidated Specification Questionnaire

Page 5

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL COSMOPOLITAN AND CAPRI

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	18
		Closes (°ABC)	58
	Exhaust	Opens (°BBC)	56
		Closes (°ATC)	20
Intake	Material		#1 SILICHRONE
	Overall length (GAGE)		5.18
	Actual overall head dia.		2.000 - 2.010
	Angle of seat		45°
	Seat insert material		NONE
	Stem diameter		.3415 - .3425
	Stem to guide clearance		.001 - .002 (SELECTIVE)
	Lift		.354
	Overall spring press. and length	Valve closed (lb. @ in.)	64 - 70 @ 1.80
		Valve open (lb. @ in.)	143 - 157 @ 1.44
	Inner spring press. and length	Valve closed (lb. @ in.)	---
		Valve open (lb. @ in.)	---
Exhaust	Material		NICKEL-CHROME ALLOY
	Overall length (GAGE)		5.18
	Actual overall head dia.		1.505 - 1.515
	Angle of seat		45°
	Seat insert material		NONE
	Stem diameter		.3405 - .3415
	Stem to guide clearance		.002 - .003 (SELECTIVE)
	Lift		.354
	Overall spring press. and length	Valve closed (lb. @ in.)	64 - 70 @ 1.80
		Valve open (lb. @ in.)	143 - 157 @ 1.44
	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
	Connecting rods	PRESSURE
	Piston pins	SPLASH
	Camshaft bearings	PRESSURE
	Tappets	PRESSURE
	Timing gear or chain	DRAIN FED TROUGH
	Cylinder walls	PRESSURE STREAM

AMA Consolidated Specification Questionnaire

Page 6

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL COSMOPOLITAN AND CAFRI

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	GEAR
Normal oil pressure (lb. @ mph)	40 @ 40
Oil pressure gage type (electric or mechanical)	ELECTRIC
Type oil intake (floating, stationary)	STATIONARY
Oil filter type (full flow, partial flow)	FULL-FLOW
Capacity of crankcase, less filter—refill (qt.)	5
Oil grade recommended (SAE viscosity and temperature range)	732°F AND ABOVE - SAE 20 or 20 W 732°F TO -10°F - SAE 10 or 10 W BELOW -10°F - SAE 5 W
Oil type recommended	A.P.I. TYPE MM FOR AVERAGE DRIVING

ENGINE—FUEL SYSTEM

Recommended fuel	Standard head	PREMIUM TYPE
	Optional head	---
Fuel tank, capacity (gal.)		20
Fuel pump	Type (elec. or mech.)	MECHANICAL
	Location	LOWER LEFT FRONT OF ENGINE
	Pressure range	3.5 - 4.5 (16" ABOVE PUMP OUTLET)
	Vacuum booster (std., optl., none)	STD.
Carburetor	Make	HOLLEY
	Model number	2140
	Number used	1
	Type	DOWNDRAFT, CONCENTRIC BOWL-AIR CLEANER FORMS AIR HORN
	Intake manifold heat control (manual, auto., none)	4-BARREL
	Automatic choke type (integral, other)	AUTOMATIC
	Air cleaner type	HOT FILTERED AIR & VACUUM-MOUNTED ON INTAKE MANIFOLD WITH LINKAGE TO CARB.
	Standard	OIL BATH
	Optional	---

ENGINE—EXHAUST SYSTEM

Muffler type (reverse flow, straight through)	STRAIGHT THRU, PLUS TWO RESONATORS
Exhaust pipe diameter	2.25 INCHES
Tail pipe diameter	2.25 INCHES

AMA Consolidated Specification Questionnaire

Page 7

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL COSMOPOLITAN AND CAPRI

ENGINE—COOLING SYSTEM

Type (pressure system, atmospheric, other)		CONTROLLED PRESSURE SYSTEM	
Radiator cap relief valve press.		12 - 15 PSI	
Circulation thermostat	Type (choke, bypass)	BYPASS	
	Starts to open at	157-162°F	
Water pump	Type (centrifugal, other)	CENTRIFUGAL	
	Number of pumps	ONE	
	Drive (V-belt, other)	ONE 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	
Cooling system capacity	With heater (qt.)	24.5	
	Without heater (qt.)	22.5	
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 "L"
		Inside diameter and length	2.0 X 10.63 (DEVELOPED)
	Upper	Number and type (molded, straight)	ONE MOLDED "L"
		Inside diameter and length	1.75 X 8.88 (DEVELOPED)
	By-pass	Number and type (molded, straight)	NONE
		Inside diameter and length	---
Drive belts	Fan	Number used	ONE - SEE NOTE
		Angle of V	38°
		Outside length	45.46
		Width	.38
	Generator	Angle of V	SAME AS FAN
		Outside length	---
		Width	---
Fan	Number of blades and spacing	4-UNEQUALLY SPACED	
	Diameter	18.25"	
	Ratio—fan to crankshaft revolutions	.90 TO 1	
	Bearing type	INTEGRAL WITH WATER PUMP	

POWER STEERING (OPT.) HYDRAULIC PUMP DRIVE BELT:

ANGLE OF V - - 38°
 OUTSIDE LENGTH - 36.6
 WIDTH - .5

AMA Consolidated Specification Questionnaire

Page 8
REV. 7-52

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL COSMOPOLITAN AND CAPRI

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		AUTO-LITE
	Voltage Rtg. & Plates/cell		6-21
	SAE Designation & Amp Hr. Rtg		110
	Location		UNDER TOE BOARD, RIGHT HAND SIDE
	Terminal grounded		
Generator	Make		FORD
	Model		FAB-10000-A
	Type		SHUNT
	Ratio—Gen. to Cr/s rev.		2 TO 1
Regulator	Make		FORD
	Model		FAD-10505-A
	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		1675
	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 - 150
	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.)		3200	
Motor control	Switch (solenoid, manual)		SOLENOID
	Starting procedure		PLACE TRANSMISSION SELECTOR LEVER IN THE NEUTRAL POSITION, TURN IGNITION KEY TO RIGHT AND PUSH STARTER BUTTON.

AMA Consolidated Specification Questionnaire

Page 9

MAKE OF CAR **LINCOLN** MODEL YEAR **1953**

MODEL **COSMOPOLITAN AND CAPRI**

ELECTRICAL—STARTING SYSTEM (cont.)

Motor drive	Engagement type		BENDIX FOLO-THRU TYPE
	Pinion meshes (front, rear)		FROM REAR
	Number of teeth	Pinion	9
		Flywheel	152
	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		FAA-12125-B
	Spark advance data (at distributor shaft)	Centr. advance start (rpm)	NONE
		Centr. advance max. deg. @ rpm	NONE
		Vacuum advance start (in. Hg.)	4° @ .55
		Vac. adv. (max. deg. @ in. Hg.)	17° @ 5.8
	Breaker gap (in.)		.014 - .016
	Cam angle (deg.)		26° - 28.5°
	Breaker arm tension (oz.)		17 - 20
	C/S deg. @ rpm		3° BTDC @ 400
Timing	Mark location		CRANKSHAFT 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
	Make and model		CHAMPION H-10
Spark plug	Thread (mm)		14
	Tightening torque (lb. ft.)		24 - 30
	Gap		.034 - .037
	Conductor type		STRANDED COPPER
Cable	Insulation type		NEOPRENE
	Spark plug protector		NEOPRENE SHIELD

ELECTRICAL—SUPPRESSION

Description	
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AMA Consolidated Specification Questionnaire

Page 10

MAKE OF CAR **LINCOLN** MODEL YEAR **1953**

MODEL **COSMOPOLITAN AND CAPRI**

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	KING SEELEY
	Trip odometer (yes, no)	YES
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
	Provision for illumination	LIGHTED WITH INSTR. PANEL LIGHTS ON
	Location	LOWER RIGHT CENTER OF INSTR. PANEL
	Theft protection type	
Main light-ing switch	Identify positions and lights controlled	PULL OUT - 1st POSITION: PARKING, TAIL, LICENSE, AND INSTRUMENT PANEL LIGHTS 2nd POSITION: HEAD, TAIL, LICENSE, AND INSTR. PANEL LIGHTS ROTATE KNOB TO DIM INSTRUMENT PANEL LIGHTS
Other light switches	Locations and lamps controlled	PK. BRAKE WARNING - ON PK. BRAKE SHAFT TOGGLE UNDER INSTR. PANEL - MAP LAMP FRONT DOOR SWITCHES - FRONT COURTESY LAMPS REAR DOOR SWITCHES AND) DOME LAMP (COSMOPOLITAN) TOGGLE ON LEFT CENTER PILLAR) ROOF RAIL LAMPS (CAPRI) GLOVE BOX DOOR SWITCH - GLOVE BOX LAMP TOE BOARD SWITCH - HEADLIGHT DIMMER
Other switches	Locations and de-vices controlled	BRAKE MASTER CYLINDER SWITCH - STOPLIGHTS SWITCH UNDER STEERING WHEEL HUB - TURN SIGNAL STARTER BUTTON - L.H. LOWER INSTR. PANEL BACK UP LAMP SW ON STEERING COL. AUTO TRANS. NEUTRAL SW. ON STEERING COL. WINDOW REG. SWITCHES ON DOOR & QTR. PANELS SEAT REG. SWITCHES ON L.H. SIDE OF FRONT SEAT CONV. TOP CONTROL SWITCH - LOWER L.H. INSTR. PANEL
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)	14

AMA Consolidated Specification Questionnaire

Page 11

MAKE OF CAR **LINCOLN** MODEL YEAR **1953**

MODEL **COSMOPOLITAN AND CAPRI**

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 & HEATER CONTROL		10 - 55
Ignition lock light		LIGHTED BY INSTRUMENT LIGHTS
Map light		1 - 63
Dome light OR ROOF RAIL LIGHTS		1 - 209 COSMOPOLITAN OR 2 - 63 CAPRI
Clock light		LIGHTED BY INSTRUMENT LIGHTS
Radio dial light		2 - 51*
Glove compartment light		1 - 55
Courtesy light		2 - 63
Trunk compartment light		1 - 63
Other		
PARKING BRAKE WARNING		1 - 51
BACKUP LTS.		2 - 1129*
ROAD LAMPS		2 - 4015* (CLEAR) OR 2 - 4015-A* (AMBER)
SPOT LAMPS		2 - 4535*

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 *
CONV. TOP	40 C.B. *
ELEC. WIND.	30 C.B. (4) 1 FOR EA. WINDOW *
ELEC. SEAT	30 C.B. *
SPOT LIGHT	SFE-14*

* ACC.

AMA Consolidated Specification Questionnaire

Page 12

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL COSMOPOLITAN AND CAPRI

DRIVE UNITS—CLUTCH (PEDAL OPERATED)

Make			NONE
Type (dry or wet plate)			---
In combination with fluid coupling (yes, no)			---
Semi-centrifugal (yes, no)			---
Type pressure plate springs			---
Total plate pressure (lb.)			---
No. of clutch driven discs			---
Clutch facing	Material		---
	Inside diameter		---
	Outside diameter		---
	Total eff. area (sq. in.)		---
	Thickness		---
	Number required		---
	Engagement cushioning method		---
	Release bearing	Type	---
		Method of lubrication	---
	Torsional damping	Method (springs, other)	---
		Frict. mat.	---

DRIVE UNITS—TRANSMISSIONS

Conventional (std. or opt.)	---
Conventional with overdrive (std. or opt.)	---
Automatic (std. or opt.)	STANDARD

DRIVE UNITS—CONVENTIONAL TRANSMISSION

Number of forward speeds	NONE	
Transmission ratios	In first	---
	In second	---
	In third	---
	In fourth	---
	In reverse	---
Constant mesh gears in 2nd (yes, no)	---	
Spur gear used in (indicate speeds)	---	
Helical gears used in (indicate speeds)	---	
Synchronous meshing in 2nd and 3rd gears (yes, no)	---	

AMA Consolidated Specification Questionnaire

Page 13

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL COSMOPOLITAN AND CAPRI

DRIVE UNITS—CONVENTIONAL TRANSMISSION (cont.)

Lubricant	Capacity (pt.)		---
	Type recommended		---
	SAE viscosity number	Summer	---
		Winter	---
		Extreme cold	---

DRIVE UNITS—CONVENTIONAL TRANSMISSION WITH OVERDRIVE

For transmission data see conventional transmission section

Overdrive	Type (planetary or other)		NONE
	If planetary, No. of pinions		---
	Manual lockout (yes, no)		---
	Downshift accelerator control (yes, no)		---
	Minimum cut-in speed		---
	Gear ratio		---
	Lubricant	Capacity (O.D. only)	---
		Separate filter (yes, no)	---
		Type recommended	---
		SAE viscosity number	Summer
			Winter
			Ext. cold

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name		HYDRAMATIC				
Type (fluid coupling with gears, torque converter with gears, other)		FLUID COUPLING WITH PLANETARY GEARS				
Manual selector positions, left to right (show symbols and define, e.g., N- Neutral)		N	DR3	DR4	LO	R
DUAL RANGE		NEUTRAL	DRIVE 3	DRIVE 4	LOW	REVERSE
List gear ratios in each drive position (range)		(DRIVE 3	- 3.8195 - 2.6341 - 1.450			
DUAL RANGE		(DRIVE 4	- 3.8195 - 2.6341 - 1.450		1.000	
		(LOW	- 2.6341 - 3.8195			
		(REVERSE	- 4.3045			
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)		60				

AMA Consolidated Specification Questionnaire

Page 14

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL COSMOPOLITAN AND CAPRI

DRIVE UNITS—AUTOMATIC TRANSMISSION (cont.)

Torque converter	Number of elements		NONE
	Max. ratio at stall at engine rpm		---
	Mechan- ical lockup	Provided (yes, no)	---
		Speed range	---
		Releases at (speed range, mph)	---
	Type of cooling (forced air, oil cooler and type, other)		---
	Anti-creep device (yes, no)		---
Lubricant	Capacity—refill (pt.)		22
	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.	NONE	
	Overdrive trans.	NONE	
	Automatic trans.	2.75 X 53.69 X .065	
Inter- mediate 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 FLANGED U-BOLT 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.

AMA Consolidated Specification Questionnaire

Page 15

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL COSMOPOLITAN AND CAPRI

DRIVE UNITS—REAR AXLE

Type (semi-floating, other)		SEMI-FLOATING
Gear type (hypoid, other)		HYPOID
Gear ratio and No. of teeth	Conventional trans.	NONE
	Overdrive trans.	NONE
	Automatic trans.	3.31 STD.
Pinion adjustment (shim, other)		SHIMS
Pinion bearing adj. (shim, other)		SHIMS
Lubricant	Capacity (pt.)	4
	Type recommended	HYPOID E.P.
	SAE viscosity number	90
	Summer	90
	Winter	90
	Extreme cold	80

DRIVE UNITS—WHEELS

Type (disc, other)		DISC
Rim (size and flange type)		15 X 6L
Attachment	Type (bolt or stud)	STUD
	Circle diameter	5.5
	Number and size	5 R.H. 1/2" - 20 X 1-5/16"

DRIVE UNITS—TIRES *

Size and ply rating	Standard	8.00 X 15 - 4 PLY
	Optional	8.00 X 15 - 6 PLY
Rev/mile at 30 mph		712
Inflation press. (cold)	Front	* 26
	Rear	* 22

BRAKES—SERVICE

Type		HYDRAULIC-INTERNAL EXPANDING, DUO-SERVO, SINGLE ANCHOR
Booster type		NONE
Effective area (sq. in.)		202.34
Percent brake effectiveness—rear		41
Drum	Diameter	11
	Front	11
	Rear	11
	Type and material	COMPOSITE-PRESSED STEEL DISC & CAST IRON DRUM

*ALL MODELS EXCEPT CONV. (8.20-15)

FRONT PRESSURE 24

REAR PRESSURE 22

WHITE SIDE WALLS OPTIONAL ALL TIRE SIZES

AMA Consolidated Specification Questionnaire

Page 16

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL COSMOPOLITAN AND CAPRI

BRAKES—SERVICE (cont.)

Brake lining	Bonded or riveted			RIVETED
	Primary	Material		MOLDED ASBESTOS
		Size (length x width x thickness)	Front wheel	10.61 X 2.50 X .212
			Rear wheel	10.61 X 2.00 X .212
		Segments per shoe		
	Secondary	Material		MOLDED ASBESTOS
		Size (length x width x thickness)	Front wheel	11.93 X 2.50 X .212
			Rear wheel	11.93 X 2.00 X .212
		Segments per shoe		
	Wheel cylinder bore	Front		
Rear			15/16	
Master cylinder bore				1.00
Available pedal travel				6.50
Line pressure at 100 lb. pedal load				650 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)	---
	Drum diameter	---
	Lining size (length x width x thickness)	---

FRAME

Type and description	X-MEMBER TYPE WITH 5 CROSS MEMBERS
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FRONT SUSPENSION

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

Page 17

MAKE OF CAR LINCOLN

MODEL YEAR 1953

MODEL

COSMOPOLITAN AND CAPRI

FRONT SUSPENSION (cont.)

Spring	Type	COIL
	Material	SAE 9260 OR 5160
	Size (length x width x No. leaves or coil I.D.)	15.62 X 4.25
	Spring rate (lb. per in.)	400
	Rate at wheel (lb. per in.)	119
	Normal load (lb. @ rated length)	2450 @ 9.25
Shock absorbers	Manufacturer	MONROE (A) GABRIEL (B)
	Type (direct or lever)	DIRECT
	Piston diameter	1.375 (A) - 1.625 (B)
Stabilizer	Type (link, linkless, frameless)	LINK
	Material	SAE 1065

STEERING

Type used (Standard or optional)		Mechanical	STD.	
		Power	OPTIONAL	
Wheel diameter			18"	
Turning diameter	Wall to wall		48.2 FEET	
	Curb to curb		45.8 FEET	
Outside wheel angle with inside wheel at 20°			17.5°	
Mechanical	Gear	Type	WORM AND TRIPLE TOOTH ROLLER	
		Make	GEMMER	
		Ratios	20.4 TO 1	
		Gear Overall	26.1 TO 1	
	No. wheel turns (l. to r.) (l. to r.)		4.25 STOP TO STOP (FRONT WHEELS)	
Power	Type		INTEGRAL	
	Make		SAGINAW	
	Trade name		NONE	
	Gear	Type	RECIRCULATING BALL NUT	
		Ratios	Gear	19.8
			Overall	21.6
	Pump driven by (1)		BELT FROM CRANKSHAFT	
	Overall torque ratio		VARIABLE	
	Number wheel turns (l. to r.)		3.5 APPROX. STOP TO STOP (FRT. WHEELS)	
	Linkage	Type		PARALLELOGRAM
Location (front or rear of wheels)		REAR OF WHEELS		
Drag link (trans. or long)		TRANSVERSE		
Tie rods (one or two)		TWO		

(1) See Page #7

AMA Consolidated Specification Questionnaire

Page 18

MAKE OF CAR LINCOLN

MODEL YEAR 1953

MODEL

COSMOPOLITAN AND CAPRI

STEERING (cont.)

Kingpin	Inclination at camber (deg.)		7°10' @ 45°
	Diameter		NO KINGPIN
	Bearings (type)	Upper	UPPER BALL JOINT
		Lower	LOWER BALL JOINT
	Thrust		BALL THRUST BUILT INTO LOWER BALL JOINT
Wheel alignment (range and preferred)	Caster (deg.)		0 TO -1½° NOT TO VARY MORE THAN ½° 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-SOCKET JOINTS
Wheel spindle	Diameter	Inner bearing	1.3115 - 1.3120
		Outer bearing	.8115 - .8120
	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.)		54.75 X 2 X 8	
	Spring rate (lb. per in.)		105	
	Rate at wheel (lb. per in.)		110	
	Normal load (lb. at rated length)		980	
	Mounting insulation type		RUBBER BUSHING	
	If leaf	No. of leaves		8
		Covers (yes, no)		NO
		Lubricated (yes, no)		NO
		Inserts	Type and size	FULL LENGTH-BETWEEN 5 TOP LEAVES
Material			IMPREGNATED PAPER	
Shackle (comp. or tens.)		TENSION		
Shock absorbers	Manufacturer		MONROE (A) OR GABRIEL (B)	
	Type (direct or lever)		DIRECT	
	Piston diameter		1.375 (A) - 1.625 (B)	
Stabilizer	Type (link, linkless, frameless)		NONE	
	Material		---	
Track bar type			NONE	

MAKE OF CAR LINCOLN MODEL YEAR 1953

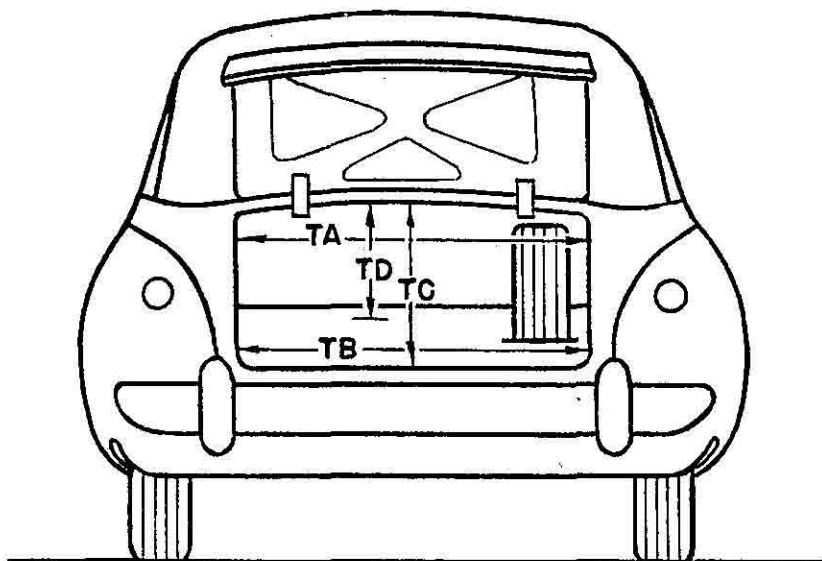
BODY—GENERAL DEFINITIONS

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)—is the supplement of the included ramp angle over which a car can pass without hanging up.

MODEL COSMOPOLITAN AND CAPRI

BODY—TRUNK OPENING DIMENSIONS



TA—Width across the top	50.6
TB—Width across the bottom	46.0
TC—Diagonal dimension at CL from top of opening to bottom	34.2
TD—Vertical height of opening (floor to top, inside edge of opening)	22.3
Position of spare tire stowage	RIGHT HAND SIDE ON ANGLE
Method of holding lid open	SPRING COUNTER BALANCE

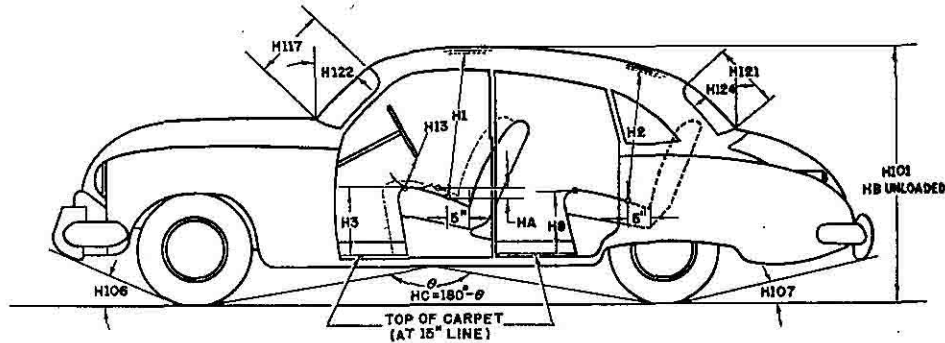
AMA Consolidated Specification Questionnaire

Page 20

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL COSMOPOLITAN AND CAPRI

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)	35.5
	H2. Rear headroom—from "A" pt. to headlining at 8° back of vertical on 15" line.	34.7
	H3. Front seat height to floor carpet on 15" line (front edge of cushion).	13.5
	H8. Rear seat height to floor carpet on 15" line (front edge of cushion).	12.3
	H13. Steering wheel clearance to seat cushion taken on arc.	4.9
	HA. Front seat vertical rise at "A" pt. (inches.)	.5
Exterior	H101. Overall height.	62.7 - LOADED
	HB. Overall height—unloaded.	64.2 - CURB WEIGHT
	H106. Angle of approach—from the tire rolling radius to lowest point on front bumper or guard.	21°30'
	H107. Angle of departure—from the tire rolling radius to lowest point on rear bumper or guard. Tailpipe	12°30'
	HC. Ramp breakover angle.*	13°54'
	H117. Windshield DLO-slant height.	16.9
	H121. Backlight DLO*—Max., slant height.	14.7
	H122. Windshield slope angle to vertical line on car axis.	44°10'
	H124. Backlight slope angle to vertical line on car axis.	43°
	HD. Min. road clearance (location and dimension).	7.4 #2 FRAME CROSS MEMBER
	HE. Min. road clearance at rear axle.	8.2

*See Notes, page 19.

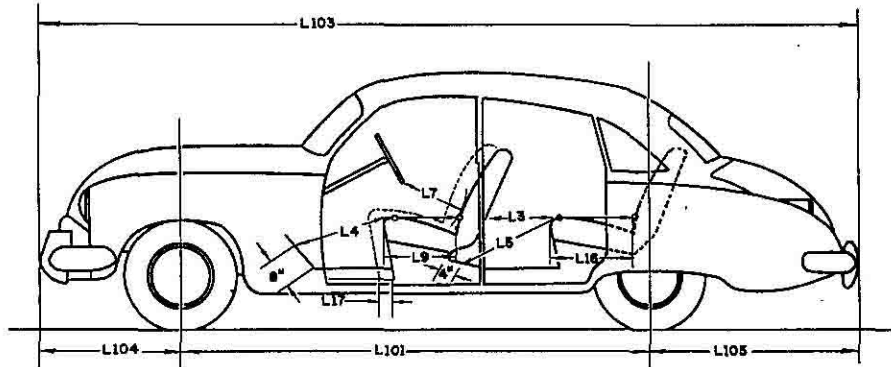
AMA Consolidated Specification Questionnaire

Page 21

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL COSMOPOLITAN AND CAPRI

BODY—LENGTH DIMENSIONS



Interior	L3. Rear compartment back of front seat back to rear seat back.	32.00
	L4. Leg room—front—diagonal—ball of foot to top of seat to front seat back—15" line.	44.30
	L5. Leg room—rear—diagonal—from ball of foot to top of rear seat cushion and to seat back.	42.8
	L7. Steering wheel clearance to seat back taken on arc.	14.3
	L9. Front seat depth (front edge to vert. tan. to seat back on 15" line).	18.5
	L16. Depth of rear seat (front edge to seat back).	18.8
	L17. Total adjustment of front seat at floor.	4.1
Exterior	L101. Wheel base.	123.0
	L103. Overall length (bumper to bumper inc. guards).	214.1
	L104. Overhang—front including bumper guards.	38.3
	L105. Overhang—rear including bumper guards.	52.8

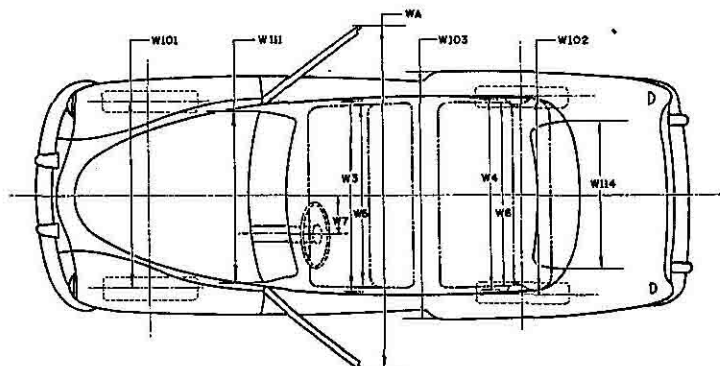
AMA Consolidated Specification Questionnaire

Page 22

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL COSMOPOLITAN AND CAPRI

BODY—WIDTH DIMENSIONS



Interior	W3. Front shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	57.5
	W4. Rear shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	57.2
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back.	62.3
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back.	62.1
	W7. Steering wheel center to center of body.	15.5
Exterior	W101. Front tread at ground.	58.5
	W102. Rear tread at ground.	58.5
	W103. Max. overall width of car including bumpers or mouldings.	77.5
	WA. Max. overall width of car with doors open.	149.0
	W111. Windshield DLO, max. width.	56.0
	W114. Back window DLO, max. width.	58.8

AMA Consolidated Specification Questionnaire

Page 23

MAKE OF CAR LINCOLN MODEL YEAR 1953

MODEL

COSMOPOLITAN AND CAPRI

BODY—TYPES

Body types and number of passengers. (Please use the letter code shown below followed by the number of passengers, e.g. A-6.)

COSMOPOLITAN

CAPRI

G - 6

G - 6

J - 6

J - 6

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

BODY—MISCELLANEOUS INFORMATION

Doors hinged (front, rear)	Front	FRONT
	Rear	FRONT
Type of finish (lacquer, enamel)		LACQUER OR ENAMEL
Hood opening (front, side; semi-full, full, half)		FRONT-FULL
Hood counterbalanced (yes, no)		YES
Hood release control (internal, external)		EXTERNAL
Windshield (one piece, two piece; curved, flat)		ONE PIECE-CURVED
Rear window type (one piece, two piece, three piece; curved, flat)		ONE PIECE-CURVED

INDEX

SUBJECT	PAGE	SUBJECT	PAGE
Battery.....	8	Kingpin.....	18
Belts, drive.....	7	Lamp bulbs.....	11
Body		Linings—clutch, brake.....	12, 16
General Body Information.....	19, 23	Lubrication.....	5, 6, 13, 14, 15
Height dimensions.....	20	Muffler.....	6
Length dimensions.....	21	Overdrive.....	13
Overall dimensions.....	1	Piston pins.....	3
Trunk opening dimensions.....	19	Pistons.....	2
Width dimensions.....	22	Propeller shaft.....	14
Types.....	23	Radiator, radiator hoses.....	7
Brakes		Rear axle.....	1, 15
Parking.....	16	Rims.....	15
Service.....	15, 16	Rings.....	3
Camber.....	18	Shock absorbers	
Camshaft.....	4	Front.....	17
Capacities		Rear.....	18
Cooling system.....	7	Spark plugs.....	9
Fuel tank.....	6	Springs	
Lubricants		Front.....	17
Crankcase.....	6	Rear.....	18
Overdrive.....	13	Valve.....	5
Transmissions.....	13, 14	Stabilizer	
Rear axle.....	15	Front.....	17
Carburetor.....	6	Rear.....	18
Caster.....	18	Valve.....	5
Choke, automatic.....	6	Starting motor.....	8
Circuit breakers.....	11	Steering.....	1, 17, 18
Clutch (pedal operated).....	12	Suppression.....	9
Coil, ignition.....	9	Suspension	
Connecting rods.....	3	Front.....	16, 17
Cooling system.....	7	Rear.....	18
Crankshaft.....	3, 4	Switches.....	10
Cylinders, cylinder head.....	2	Tailpipe.....	6
Distributor.....	9	Timing, engine.....	4, 5, 9
Electrical System.....	8, 9, 10, 11	Tires.....	1, 15
Engine		Toe-in.....	18
Bore and stroke, displacement.....	1, 2	Torque converter.....	14
Compression ratio.....	1, 2	Torque, maximum.....	1, 2
Firing order, cylinder numbering.....	2, 9	Transmission	
General information.....	1, 2	Automatic.....	13, 14
Lubrication.....	5, 6	Conventional.....	12, 13
Type.....	1, 2	Conventional with overdrive.....	13
Exhaust system.....	6	Ratios.....	12
Fan.....	7	Types.....	1, 12, 13
Frame.....	16	Tread.....	1, 22
Fuel.....	6	Turning diameter.....	1, 17
Fuel pump.....	6	Universal joints.....	14
Fuel system.....	6	Valves, intake and exhaust.....	4, 5
Fuses.....	11	Voltage regulator.....	8
Generator.....	8	Water pump.....	7
Horns.....	10	Weight, shipping.....	1
Horsepower		Wheel alignment.....	18
Maximum brake.....	1, 2	Wheelbase.....	1, 21
Taxable.....	2	Wheels.....	15
Ignition system.....	9	Wheel spindle.....	18
Instruments.....	10	Windshield wiper.....	10